

Z.U.O. "EKO - SOFT"

Łódź ul. Rogozińskiego 17/7

tel. 042 648 71 85

HAŁAS PRZEMYSŁOWY I DROGOWY

PROGRAM SON2 WERSJA 4.0

DANE WEJŚCIOWE

Rodzaj obliczeń: Poziom hałasu równownoważnego

1. Nazwa projektu: Ecovir_Dobaczewo

2. Temperatura powietrza [st C.] = 10

3. Wilgotność względna powietrza [%] = 70

4. Tło akustyczne dB(A):

Pora dnia : 0

Pora nocy : 0

5. Rodzaj gruntu : grunt mieszany, wskaźnik gruntu G = 0.9

6. Liniowe źródła hałasu

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Lp	Symbol		Początek					Koniec				LAW 8hD	LAW 1hN	D0	
			x1	y1	z1	h1t		x2	y2	z2	h2t				
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			m	m	m	m	m	m	m	m	m	dBA	dBA	dB	

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1	S.O.1	296.9	184.0	1.5	0.0	311.0	177.0	1.5	0.0	67.9
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2	S.O.2	311.0	177.0	1.5	0.0	317.2	173.6	1.5	0.0	67.9
3	S.O.3	317.2	173.6	1.5	0.0	327.0	168.6	1.5	0.0	67.9
4	S.O.4	327.0	168.6	1.5	0.0	335.9	164.7	1.5	0.0	67.9
5	S.O.5	335.9	164.7	1.5	0.0	346.0	160.1	1.5	0.0	67.9
6	S.O.6	346.0	160.1	1.5	0.0	352.0	155.9	1.5	0.0	67.9
7	S.O.7	352.0	155.9	1.5	0.0	358.8	152.3	1.5	0.0	67.9
8	S.O.8	358.8	152.3	1.5	0.0	369.9	150.4	1.5	0.0	67.9
9	S.O.9	369.9	150.4	1.5	0.0	382.8	154.3	1.5	0.0	67.9
10	S.O.10	382.8	154.3	1.5	0.0	384.2	149.8	1.5	0.0	67.9
11	S.O.11	384.2	149.8	1.5	0.0	380.5	145.2	1.5	0.0	67.9
12	S.O.12	380.5	145.2	1.5	0.0	371.9	146.0	1.5	0.0	67.9
13	S.O.13	371.9	146.0	1.5	0.0	364.5	148.4	1.5	0.0	67.9
14	S.O.14	364.5	148.4	1.5	0.0	353.8	152.7	1.5	0.0	67.9
15	S.O.15	353.8	152.7	1.5	0.0	343.1	159.1	1.5	0.0	67.9
16	S.O.16	343.1	159.1	1.5	0.0	332.5	164.1	1.5	0.0	67.9
17	S.O.17	332.5	164.1	1.5	0.0	323.2	167.9	1.5	0.0	67.9
18	S.O.18	323.2	167.9	1.5	0.0	316.0	172.6	1.5	0.0	67.9
19	S.O.19	316.0	172.6	1.5	0.0	306.9	176.0	1.5	0.0	67.9
20	S.O.20	306.9	176.0	1.5	0.0	295.5	182.2	1.5	0.0	67.9
21	S.C.1	295.9	182.8	2.0	0.0	301.7	180.0	2.0	0.0	75.0
22	S.C.2	301.7	180.0	2.0	0.0	313.8	173.6	2.0	0.0	75.0
23	S.C.3	313.8	173.6	2.0	0.0	338.5	161.3	2.0	0.0	75.0
24	S.C.4	338.5	161.3	2.0	0.0	359.8	148.4	2.0	0.0	75.0
25	S.C.5	359.8	148.4	2.0	0.0	375.5	138.2	2.0	0.0	75.0
26	S.C.6	375.5	138.2	2.0	0.0	390.0	118.7	2.0	0.0	75.0
27	S.C.7	390.0	118.7	2.0	0.0	394.2	107.0	2.0	0.0	75.0
28	S.C.8	394.2	107.0	2.0	0.0	382.4	126.3	2.0	0.0	75.0
29	S.C.9	382.4	126.3	2.0	0.0	368.1	145.0	2.0	0.0	75.0
30	S.C.10	368.1	145.0	2.0	0.0	295.3	182.6	2.0	0.0	75.0
31	Ł	385.4	123.5	2.5	0.0	391.0	97.6	2.5	0.0	101.4
32	W.w.	387.4	124.1	1.5	0.0	389.6	95.7	1.5	0.0	85.5

LAW 8hD - równoważny poziom mocy akustycznej źródła w przedziale 8 kolejnych najmniej korzystnych godzin dnia

LAW 1hN - równoważny poziom mocy akustycznej źródła w przedziale 1 najmniej korzystnej godziny nocy

7. Źródła hałasu typu budynek

Lp	Symbol	Współrzędne wierzchołków budynku [m]								ho	h1	ht
		A(x1, y1)	B(x2, y2)	C(x3, y3)	D(x4, y4)	m	m	m	m			
1	Bud mag	359.4	103.7	379.7	87.0	383.2	91.5	362.7	108.1	0.0	6.8	0.0
2	Bud prod-mag	387.8	126.4	402.7	111.8	408.9	118.6	393.4	132.9	0.0	6.8	0.0

7.1 Opis ścian budynków

Lp	Budynek	Wielkość	Jedn.	Ściana AB	Ściana BC	Ściana CD	Ściana DA	dach
1	Bud mag	Wsp. odbicia	-	1.0	1.0	0.8	1.0	1.0
		L _{Awew} dzień	dB(A)	60.0	60.0	60.0	60.0	60.0
		Izolacyjność	dB(A)	46.0	46.0	25.0	46.0	28.0
2	Bud prod-mag	Wsp. odbicia	-	0.8	1.0	1.0	1.0	1.0
		L _{Awew} dzień	dB(A)	85.0	85.0	85.0	85.0	85.0
		Izolacyjność	dB(A)	25.0	46.0	46.0	46.0	28.0

L_{Awew} dzień - poziom dźwięku A wewnątrz budynku w przedziale 8 kolejnych najmniej korzystnych godzin dnia

9. Ekrany liniowe

10. Współrzędne wierzchołków wieloboku terenu zakładu

Lp	Współrzędne wierzchołków
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	x	y

m	m	
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1	304.4	201.5
2	285.2	162.4
3	383.2	84.4
4	406.5	67.7
5	422.9	90.3
6	398.7	156.6

z - wysokość źródła nad gruntem ; ht - wysokość gruntu względem płaszczyzny odniesienia

Koniec danych

LAeq , pory dnia i nocy

Nr	Współrzędne punktów		Wysokość	Poziom dźwięku w porze	
punktu	x	y	z	terenu	dnia nocy
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m	m	m	m	dB(A)	dB(A)
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1	0.0	400.0	4.0	0.0	34.1
2	10.0	400.0	4.0	0.0	35.8
3	20.0	400.0	4.0	0.0	36.0
4	30.0	400.0	4.0	0.0	36.2
5	40.0	400.0	4.0	0.0	36.3
6	50.0	400.0	4.0	0.0	36.5
7	60.0	400.0	4.0	0.0	36.7
8	70.0	400.0	4.0	0.0	36.8
9	80.0	400.0	4.0	0.0	37.0

10	90.0	400.0	4.0	0.0	37.1
11	100.0	400.0	4.0	0.0	37.3
12	110.0	400.0	4.0	0.0	37.5
13	120.0	400.0	4.0	0.0	37.6
14	130.0	400.0	4.0	0.0	37.8
15	140.0	400.0	4.0	0.0	38.0
16	150.0	400.0	4.0	0.0	38.1
17	160.0	400.0	4.0	0.0	38.3
18	170.0	400.0	4.0	0.0	38.4
19	180.0	400.0	4.0	0.0	38.6
20	190.0	400.0	4.0	0.0	38.8
21	200.0	400.0	4.0	0.0	38.9
22	210.0	400.0	4.0	0.0	39.1
23	220.0	400.0	4.0	0.0	39.2
24	230.0	400.0	4.0	0.0	39.3
25	240.0	400.0	4.0	0.0	39.4
26	250.0	400.0	4.0	0.0	39.6
27	260.0	400.0	4.0	0.0	39.7
28	270.0	400.0	4.0	0.0	39.8
29	280.0	400.0	4.0	0.0	39.9
30	290.0	400.0	4.0	0.0	40.0
31	300.0	400.0	4.0	0.0	40.1
32	310.0	400.0	4.0	0.0	40.2
33	320.0	400.0	4.0	0.0	40.2
34	330.0	400.0	4.0	0.0	40.3
35	340.0	400.0	4.0	0.0	40.3
36	350.0	400.0	4.0	0.0	40.4
37	360.0	400.0	4.0	0.0	40.4
38	370.0	400.0	4.0	0.0	40.5
39	380.0	400.0	4.0	0.0	40.5
40	390.0	400.0	4.0	0.0	40.5

41	400.0	400.0	4.0	0.0	40.5
42	410.0	400.0	4.0	0.0	40.4
43	420.0	400.0	4.0	0.0	42.8
44	430.0	400.0	4.0	0.0	42.8
45	440.0	400.0	4.0	0.0	42.7
46	450.0	400.0	4.0	0.0	42.7
47	460.0	400.0	4.0	0.0	42.6
48	470.0	400.0	4.0	0.0	42.5
49	480.0	400.0	4.0	0.0	42.5
50	490.0	400.0	4.0	0.0	42.4
51	500.0	400.0	4.0	0.0	39.8
52	510.0	400.0	4.0	0.0	39.7
53	520.0	400.0	4.0	0.0	39.6
54	530.0	400.0	4.0	0.0	39.5
55	540.0	400.0	4.0	0.0	39.3
56	550.0	400.0	4.0	0.0	39.2
57	560.0	400.0	4.0	0.0	39.0
58	0.0	390.0	4.0	0.0	33.9
59	10.0	390.0	4.0	0.0	34.3
60	20.0	390.0	4.0	0.0	34.5
61	30.0	390.0	4.0	0.0	36.3
62	40.0	390.0	4.0	0.0	36.5
63	50.0	390.0	4.0	0.0	36.6
64	60.0	390.0	4.0	0.0	36.8
65	70.0	390.0	4.0	0.0	37.0
66	80.0	390.0	4.0	0.0	37.1
67	90.0	390.0	4.0	0.0	37.3
68	100.0	390.0	4.0	0.0	37.5
69	110.0	390.0	4.0	0.0	37.6
70	120.0	390.0	4.0	0.0	37.8
71	130.0	390.0	4.0	0.0	38.0

72	140.0	390.0	4.0	0.0	38.2
73	150.0	390.0	4.0	0.0	38.3
74	160.0	390.0	4.0	0.0	38.5
75	170.0	390.0	4.0	0.0	38.7
76	180.0	390.0	4.0	0.0	38.8
77	190.0	390.0	4.0	0.0	39.0
78	200.0	390.0	4.0	0.0	39.1
79	210.0	390.0	4.0	0.0	39.3
80	220.0	390.0	4.0	0.0	39.4
81	230.0	390.0	4.0	0.0	39.6
82	240.0	390.0	4.0	0.0	39.7
83	250.0	390.0	4.0	0.0	39.8
84	260.0	390.0	4.0	0.0	39.9
85	270.0	390.0	4.0	0.0	40.1
86	280.0	390.0	4.0	0.0	40.2
87	290.0	390.0	4.0	0.0	40.3
88	300.0	390.0	4.0	0.0	40.4
89	310.0	390.0	4.0	0.0	40.5
90	320.0	390.0	4.0	0.0	40.5
91	330.0	390.0	4.0	0.0	40.6
92	340.0	390.0	4.0	0.0	40.7
93	350.0	390.0	4.0	0.0	40.7
94	360.0	390.0	4.0	0.0	40.7
95	370.0	390.0	4.0	0.0	40.8
96	380.0	390.0	4.0	0.0	40.8
97	390.0	390.0	4.0	0.0	40.8
98	400.0	390.0	4.0	0.0	40.8
99	410.0	390.0	4.0	0.0	40.8
100	420.0	390.0	4.0	0.0	43.1
101	430.0	390.0	4.0	0.0	43.1
102	440.0	390.0	4.0	0.0	43.0

103	450.0	390.0	4.0	0.0	43.0
104	460.0	390.0	4.0	0.0	42.9
105	470.0	390.0	4.0	0.0	42.8
106	480.0	390.0	4.0	0.0	42.8
107	490.0	390.0	4.0	0.0	42.7
108	500.0	390.0	4.0	0.0	40.1
109	510.0	390.0	4.0	0.0	40.0
110	520.0	390.0	4.0	0.0	39.8
111	530.0	390.0	4.0	0.0	39.7
112	540.0	390.0	4.0	0.0	39.6
113	550.0	390.0	4.0	0.0	39.4
114	560.0	390.0	4.0	0.0	39.3
115	0.0	380.0	4.0	0.0	33.6
116	10.0	380.0	4.0	0.0	34.1
117	20.0	380.0	4.0	0.0	34.6
118	30.0	380.0	4.0	0.0	34.8
119	40.0	380.0	4.0	0.0	36.6
120	50.0	380.0	4.0	0.0	36.8
121	60.0	380.0	4.0	0.0	36.9
122	70.0	380.0	4.0	0.0	37.1
123	80.0	380.0	4.0	0.0	37.3
124	90.0	380.0	4.0	0.0	37.5
125	100.0	380.0	4.0	0.0	37.6
126	110.0	380.0	4.0	0.0	37.8
127	120.0	380.0	4.0	0.0	38.0
128	130.0	380.0	4.0	0.0	38.2
129	140.0	380.0	4.0	0.0	38.3
130	150.0	380.0	4.0	0.0	38.5
131	160.0	380.0	4.0	0.0	38.7
132	170.0	380.0	4.0	0.0	38.9
133	180.0	380.0	4.0	0.0	39.0

134	190.0	380.0	4.0	0.0	39.2
135	200.0	380.0	4.0	0.0	39.4
136	210.0	380.0	4.0	0.0	39.5
137	220.0	380.0	4.0	0.0	39.7
138	230.0	380.0	4.0	0.0	39.8
139	240.0	380.0	4.0	0.0	40.0
140	250.0	380.0	4.0	0.0	40.1
141	260.0	380.0	4.0	0.0	40.2
142	270.0	380.0	4.0	0.0	40.3
143	280.0	380.0	4.0	0.0	40.5
144	290.0	380.0	4.0	0.0	40.6
145	300.0	380.0	4.0	0.0	40.7
146	310.0	380.0	4.0	0.0	40.8
147	320.0	380.0	4.0	0.0	40.8
148	330.0	380.0	4.0	0.0	40.9
149	340.0	380.0	4.0	0.0	41.0
150	350.0	380.0	4.0	0.0	41.0
151	360.0	380.0	4.0	0.0	41.1
152	370.0	380.0	4.0	0.0	41.1
153	380.0	380.0	4.0	0.0	41.1
154	390.0	380.0	4.0	0.0	41.1
155	400.0	380.0	4.0	0.0	41.1
156	410.0	380.0	4.0	0.0	41.1
157	420.0	380.0	4.0	0.0	43.4
158	430.0	380.0	4.0	0.0	43.4
159	440.0	380.0	4.0	0.0	43.4
160	450.0	380.0	4.0	0.0	43.3
161	460.0	380.0	4.0	0.0	43.2
162	470.0	380.0	4.0	0.0	43.1
163	480.0	380.0	4.0	0.0	43.1
164	490.0	380.0	4.0	0.0	43.0

165	500.0	380.0	4.0	0.0	40.4
166	510.0	380.0	4.0	0.0	40.2
167	520.0	380.0	4.0	0.0	40.1
168	530.0	380.0	4.0	0.0	40.0
169	540.0	380.0	4.0	0.0	39.8
170	550.0	380.0	4.0	0.0	39.7
171	560.0	380.0	4.0	0.0	39.5
172	0.0	370.0	4.0	0.0	33.3
173	10.0	370.0	4.0	0.0	33.8
174	20.0	370.0	4.0	0.0	34.2
175	30.0	370.0	4.0	0.0	34.8
176	40.0	370.0	4.0	0.0	35.1
177	50.0	370.0	4.0	0.0	36.9
178	60.0	370.0	4.0	0.0	37.1
179	70.0	370.0	4.0	0.0	37.3
180	80.0	370.0	4.0	0.0	37.4
181	90.0	370.0	4.0	0.0	37.6
182	100.0	370.0	4.0	0.0	37.8
183	110.0	370.0	4.0	0.0	38.0
184	120.0	370.0	4.0	0.0	38.2
185	130.0	370.0	4.0	0.0	38.3
186	140.0	370.0	4.0	0.0	38.5
187	150.0	370.0	4.0	0.0	38.7
188	160.0	370.0	4.0	0.0	38.9
189	170.0	370.0	4.0	0.0	39.1
190	180.0	370.0	4.0	0.0	39.2
191	190.0	370.0	4.0	0.0	39.4
192	200.0	370.0	4.0	0.0	39.6
193	210.0	370.0	4.0	0.0	39.8
194	220.0	370.0	4.0	0.0	39.9
195	230.0	370.0	4.0	0.0	40.1

196	240.0	370.0	4.0	0.0	40.2
197	250.0	370.0	4.0	0.0	40.4
198	260.0	370.0	4.0	0.0	40.5
199	270.0	370.0	4.0	0.0	40.6
200	280.0	370.0	4.0	0.0	40.8
201	290.0	370.0	4.0	0.0	40.9
202	300.0	370.0	4.0	0.0	41.0
203	310.0	370.0	4.0	0.0	41.1
204	320.0	370.0	4.0	0.0	41.2
205	330.0	370.0	4.0	0.0	41.2
206	340.0	370.0	4.0	0.0	41.3
207	350.0	370.0	4.0	0.0	41.4
208	360.0	370.0	4.0	0.0	41.4
209	370.0	370.0	4.0	0.0	41.4
210	380.0	370.0	4.0	0.0	41.5
211	390.0	370.0	4.0	0.0	41.5
212	400.0	370.0	4.0	0.0	41.4
213	410.0	370.0	4.0	0.0	41.4
214	420.0	370.0	4.0	0.0	43.7
215	430.0	370.0	4.0	0.0	43.7
216	440.0	370.0	4.0	0.0	43.7
217	450.0	370.0	4.0	0.0	43.6
218	460.0	370.0	4.0	0.0	43.5
219	470.0	370.0	4.0	0.0	43.5
220	480.0	370.0	4.0	0.0	43.4
221	490.0	370.0	4.0	0.0	40.8
222	500.0	370.0	4.0	0.0	40.7
223	510.0	370.0	4.0	0.0	40.5
224	520.0	370.0	4.0	0.0	40.4
225	530.0	370.0	4.0	0.0	40.2
226	540.0	370.0	4.0	0.0	40.1

227	550.0	370.0	4.0	0.0	39.9
228	560.0	370.0	4.0	0.0	39.8
229	0.0	360.0	4.0	0.0	33.1
230	10.0	360.0	4.0	0.0	33.5
231	20.0	360.0	4.0	0.0	33.9
232	30.0	360.0	4.0	0.0	34.4
233	40.0	360.0	4.0	0.0	34.9
234	50.0	360.0	4.0	0.0	35.4
235	60.0	360.0	4.0	0.0	35.6
236	70.0	360.0	4.0	0.0	37.4
237	80.0	360.0	4.0	0.0	37.6
238	90.0	360.0	4.0	0.0	37.8
239	100.0	360.0	4.0	0.0	38.0
240	110.0	360.0	4.0	0.0	38.1
241	120.0	360.0	4.0	0.0	38.3
242	130.0	360.0	4.0	0.0	38.5
243	140.0	360.0	4.0	0.0	38.7
244	150.0	360.0	4.0	0.0	38.9
245	160.0	360.0	4.0	0.0	39.1
246	170.0	360.0	4.0	0.0	39.3
247	180.0	360.0	4.0	0.0	39.5
248	190.0	360.0	4.0	0.0	39.6
249	200.0	360.0	4.0	0.0	39.8
250	210.0	360.0	4.0	0.0	40.0
251	220.0	360.0	4.0	0.0	40.2
252	230.0	360.0	4.0	0.0	40.4
253	240.0	360.0	4.0	0.0	40.5
254	250.0	360.0	4.0	0.0	40.6
255	260.0	360.0	4.0	0.0	40.8
256	270.0	360.0	4.0	0.0	40.9
257	280.0	360.0	4.0	0.0	41.1

258	290.0	360.0	4.0	0.0	41.2
259	300.0	360.0	4.0	0.0	41.3
260	310.0	360.0	4.0	0.0	41.4
261	320.0	360.0	4.0	0.0	41.5
262	330.0	360.0	4.0	0.0	41.6
263	340.0	360.0	4.0	0.0	41.7
264	350.0	360.0	4.0	0.0	41.7
265	360.0	360.0	4.0	0.0	41.8
266	370.0	360.0	4.0	0.0	41.8
267	380.0	360.0	4.0	0.0	41.8
268	390.0	360.0	4.0	0.0	41.8
269	400.0	360.0	4.0	0.0	41.8
270	410.0	360.0	4.0	0.0	41.8
271	420.0	360.0	4.0	0.0	44.1
272	430.0	360.0	4.0	0.0	44.1
273	440.0	360.0	4.0	0.0	44.0
274	450.0	360.0	4.0	0.0	44.0
275	460.0	360.0	4.0	0.0	43.9
276	470.0	360.0	4.0	0.0	43.8
277	480.0	360.0	4.0	0.0	43.7
278	490.0	360.0	4.0	0.0	41.1
279	500.0	360.0	4.0	0.0	41.0
280	510.0	360.0	4.0	0.0	40.8
281	520.0	360.0	4.0	0.0	40.7
282	530.0	360.0	4.0	0.0	40.5
283	540.0	360.0	4.0	0.0	40.4
284	550.0	360.0	4.0	0.0	40.2
285	560.0	360.0	4.0	0.0	40.0
286	0.0	350.0	4.0	0.0	32.9
287	10.0	350.0	4.0	0.0	33.3
288	20.0	350.0	4.0	0.0	33.7

289	30.0	350.0	4.0	0.0	34.1
290	40.0	350.0	4.0	0.0	34.5
291	50.0	350.0	4.0	0.0	35.1
292	60.0	350.0	4.0	0.0	35.6
293	70.0	350.0	4.0	0.0	35.9
294	80.0	350.0	4.0	0.0	37.7
295	90.0	350.0	4.0	0.0	37.9
296	100.0	350.0	4.0	0.0	38.1
297	110.0	350.0	4.0	0.0	38.3
298	120.0	350.0	4.0	0.0	38.5
299	130.0	350.0	4.0	0.0	38.7
300	140.0	350.0	4.0	0.0	38.9
301	150.0	350.0	4.0	0.0	39.1
302	160.0	350.0	4.0	0.0	39.3
303	170.0	350.0	4.0	0.0	39.5
304	180.0	350.0	4.0	0.0	39.7
305	190.0	350.0	4.0	0.0	39.9
306	200.0	350.0	4.0	0.0	40.1
307	210.0	350.0	4.0	0.0	40.2
308	220.0	350.0	4.0	0.0	40.4
309	230.0	350.0	4.0	0.0	40.6
310	240.0	350.0	4.0	0.0	40.8
311	250.0	350.0	4.0	0.0	40.9
312	260.0	350.0	4.0	0.0	41.1
313	270.0	350.0	4.0	0.0	41.2
314	280.0	350.0	4.0	0.0	41.4
315	290.0	350.0	4.0	0.0	41.5
316	300.0	350.0	4.0	0.0	41.6
317	310.0	350.0	4.0	0.0	41.7
318	320.0	350.0	4.0	0.0	41.8
319	330.0	350.0	4.0	0.0	41.9

320	340.0	350.0	4.0	0.0	42.0
321	350.0	350.0	4.0	0.0	42.1
322	360.0	350.0	4.0	0.0	42.1
323	370.0	350.0	4.0	0.0	42.2
324	380.0	350.0	4.0	0.0	42.2
325	390.0	350.0	4.0	0.0	42.2
326	400.0	350.0	4.0	0.0	42.2
327	410.0	350.0	4.0	0.0	42.1
328	420.0	350.0	4.0	0.0	44.4
329	430.0	350.0	4.0	0.0	44.4
330	440.0	350.0	4.0	0.0	44.4
331	450.0	350.0	4.0	0.0	44.3
332	460.0	350.0	4.0	0.0	44.2
333	470.0	350.0	4.0	0.0	44.1
334	480.0	350.0	4.0	0.0	44.0
335	490.0	350.0	4.0	0.0	41.4
336	500.0	350.0	4.0	0.0	41.3
337	510.0	350.0	4.0	0.0	41.1
338	520.0	350.0	4.0	0.0	41.0
339	530.0	350.0	4.0	0.0	40.8
340	540.0	350.0	4.0	0.0	40.6
341	550.0	350.0	4.0	0.0	40.4
342	560.0	350.0	4.0	0.0	40.3
343	0.0	340.0	4.0	0.0	32.8
344	10.0	340.0	4.0	0.0	33.1
345	20.0	340.0	4.0	0.0	33.5
346	30.0	340.0	4.0	0.0	33.8
347	40.0	340.0	4.0	0.0	34.3
348	50.0	340.0	4.0	0.0	34.8
349	60.0	340.0	4.0	0.0	35.2
350	70.0	340.0	4.0	0.0	35.8

351	80.0	340.0	4.0	0.0	36.2
352	90.0	340.0	4.0	0.0	38.1
353	100.0	340.0	4.0	0.0	38.3
354	110.0	340.0	4.0	0.0	38.5
355	120.0	340.0	4.0	0.0	38.7
356	130.0	340.0	4.0	0.0	38.9
357	140.0	340.0	4.0	0.0	39.1
358	150.0	340.0	4.0	0.0	39.3
359	160.0	340.0	4.0	0.0	39.5
360	170.0	340.0	4.0	0.0	39.7
361	180.0	340.0	4.0	0.0	39.9
362	190.0	340.0	4.0	0.0	40.1
363	200.0	340.0	4.0	0.0	40.3
364	210.0	340.0	4.0	0.0	40.5
365	220.0	340.0	4.0	0.0	40.7
366	230.0	340.0	4.0	0.0	40.9
367	240.0	340.0	4.0	0.0	41.1
368	250.0	340.0	4.0	0.0	41.2
369	260.0	340.0	4.0	0.0	41.4
370	270.0	340.0	4.0	0.0	41.5
371	280.0	340.0	4.0	0.0	41.7
372	290.0	340.0	4.0	0.0	41.8
373	300.0	340.0	4.0	0.0	42.0
374	310.0	340.0	4.0	0.0	42.1
375	320.0	340.0	4.0	0.0	42.2
376	330.0	340.0	4.0	0.0	42.3
377	340.0	340.0	4.0	0.0	42.4
378	350.0	340.0	4.0	0.0	42.5
379	360.0	340.0	4.0	0.0	42.5
380	370.0	340.0	4.0	0.0	42.5
381	380.0	340.0	4.0	0.0	42.6

382	390.0	340.0	4.0	0.0	42.6
383	400.0	340.0	4.0	0.0	42.5
384	410.0	340.0	4.0	0.0	42.5
385	420.0	340.0	4.0	0.0	44.8
386	430.0	340.0	4.0	0.0	44.8
387	440.0	340.0	4.0	0.0	44.7
388	450.0	340.0	4.0	0.0	44.6
389	460.0	340.0	4.0	0.0	44.6
390	470.0	340.0	4.0	0.0	44.5
391	480.0	340.0	4.0	0.0	41.9
392	490.0	340.0	4.0	0.0	41.7
393	500.0	340.0	4.0	0.0	41.6
394	510.0	340.0	4.0	0.0	41.4
395	520.0	340.0	4.0	0.0	41.3
396	530.0	340.0	4.0	0.0	41.1
397	540.0	340.0	4.0	0.0	40.9
398	550.0	340.0	4.0	0.0	40.7
399	560.0	340.0	4.0	0.0	40.5
400	0.0	330.0	4.0	0.0	32.8
401	10.0	330.0	4.0	0.0	33.1
402	20.0	330.0	4.0	0.0	33.4
403	30.0	330.0	4.0	0.0	33.7
404	40.0	330.0	4.0	0.0	34.0
405	50.0	330.0	4.0	0.0	34.4
406	60.0	330.0	4.0	0.0	34.9
407	70.0	330.0	4.0	0.0	35.4
408	80.0	330.0	4.0	0.0	36.0
409	90.0	330.0	4.0	0.0	36.5
410	100.0	330.0	4.0	0.0	38.4
411	110.0	330.0	4.0	0.0	38.6
412	120.0	330.0	4.0	0.0	38.8

413	130.0	330.0	4.0	0.0	39.0
414	140.0	330.0	4.0	0.0	39.3
415	150.0	330.0	4.0	0.0	39.5
416	160.0	330.0	4.0	0.0	39.7
417	170.0	330.0	4.0	0.0	39.9
418	180.0	330.0	4.0	0.0	40.1
419	190.0	330.0	4.0	0.0	40.3
420	200.0	330.0	4.0	0.0	40.5
421	210.0	330.0	4.0	0.0	40.7
422	220.0	330.0	4.0	0.0	40.9
423	230.0	330.0	4.0	0.0	41.1
424	240.0	330.0	4.0	0.0	41.4
425	250.0	330.0	4.0	0.0	41.5
426	260.0	330.0	4.0	0.0	41.7
427	270.0	330.0	4.0	0.0	41.9
428	280.0	330.0	4.0	0.0	42.0
429	290.0	330.0	4.0	0.0	42.2
430	300.0	330.0	4.0	0.0	42.3
431	310.0	330.0	4.0	0.0	42.4
432	320.0	330.0	4.0	0.0	42.6
433	330.0	330.0	4.0	0.0	42.7
434	340.0	330.0	4.0	0.0	42.8
435	350.0	330.0	4.0	0.0	42.8
436	360.0	330.0	4.0	0.0	42.9
437	370.0	330.0	4.0	0.0	42.9
438	380.0	330.0	4.0	0.0	43.0
439	390.0	330.0	4.0	0.0	43.0
440	400.0	330.0	4.0	0.0	42.9
441	410.0	330.0	4.0	0.0	42.9
442	420.0	330.0	4.0	0.0	45.2
443	430.0	330.0	4.0	0.0	45.2

444	440.0	330.0	4.0	0.0	45.1
445	450.0	330.0	4.0	0.0	45.0
446	460.0	330.0	4.0	0.0	44.9
447	470.0	330.0	4.0	0.0	44.8
448	480.0	330.0	4.0	0.0	42.2
449	490.0	330.0	4.0	0.0	42.1
450	500.0	330.0	4.0	0.0	41.9
451	510.0	330.0	4.0	0.0	41.7
452	520.0	330.0	4.0	0.0	41.5
453	530.0	330.0	4.0	0.0	41.4
454	540.0	330.0	4.0	0.0	41.2
455	550.0	330.0	4.0	0.0	41.0
456	560.0	330.0	4.0	0.0	40.8
457	0.0	320.0	4.0	0.0	32.8
458	10.0	320.0	4.0	0.0	33.1
459	20.0	320.0	4.0	0.0	33.3
460	30.0	320.0	4.0	0.0	33.6
461	40.0	320.0	4.0	0.0	33.9
462	50.0	320.0	4.0	0.0	34.2
463	60.0	320.0	4.0	0.0	34.6
464	70.0	320.0	4.0	0.0	35.1
465	80.0	320.0	4.0	0.0	35.6
466	90.0	320.0	4.0	0.0	36.2
467	100.0	320.0	4.0	0.0	36.8
468	110.0	320.0	4.0	0.0	37.2
469	120.0	320.0	4.0	0.0	39.0
470	130.0	320.0	4.0	0.0	39.2
471	140.0	320.0	4.0	0.0	39.4
472	150.0	320.0	4.0	0.0	39.7
473	160.0	320.0	4.0	0.0	39.9
474	170.0	320.0	4.0	0.0	40.1

475	180.0	320.0	4.0	0.0	40.3
476	190.0	320.0	4.0	0.0	40.5
477	200.0	320.0	4.0	0.0	40.8
478	210.0	320.0	4.0	0.0	41.0
479	220.0	320.0	4.0	0.0	41.2
480	230.0	320.0	4.0	0.0	41.4
481	240.0	320.0	4.0	0.0	41.6
482	250.0	320.0	4.0	0.0	41.8
483	260.0	320.0	4.0	0.0	42.0
484	270.0	320.0	4.0	0.0	42.2
485	280.0	320.0	4.0	0.0	42.4
486	290.0	320.0	4.0	0.0	42.5
487	300.0	320.0	4.0	0.0	42.7
488	310.0	320.0	4.0	0.0	42.8
489	320.0	320.0	4.0	0.0	42.9
490	330.0	320.0	4.0	0.0	43.1
491	340.0	320.0	4.0	0.0	43.2
492	350.0	320.0	4.0	0.0	43.2
493	360.0	320.0	4.0	0.0	43.3
494	370.0	320.0	4.0	0.0	43.3
495	380.0	320.0	4.0	0.0	43.4
496	390.0	320.0	4.0	0.0	43.4
497	400.0	320.0	4.0	0.0	43.4
498	410.0	320.0	4.0	0.0	43.3
499	420.0	320.0	4.0	0.0	45.6
500	430.0	320.0	4.0	0.0	45.6
501	440.0	320.0	4.0	0.0	45.5
502	450.0	320.0	4.0	0.0	45.4
503	460.0	320.0	4.0	0.0	45.3
504	470.0	320.0	4.0	0.0	45.2
505	480.0	320.0	4.0	0.0	42.6

506	490.0	320.0	4.0	0.0	42.4
507	500.0	320.0	4.0	0.0	42.2
508	510.0	320.0	4.0	0.0	42.0
509	520.0	320.0	4.0	0.0	41.9
510	530.0	320.0	4.0	0.0	41.7
511	540.0	320.0	4.0	0.0	41.4
512	550.0	320.0	4.0	0.0	41.2
513	560.0	320.0	4.0	0.0	41.0
514	0.0	310.0	4.0	0.0	32.9
515	10.0	310.0	4.0	0.0	33.1
516	20.0	310.0	4.0	0.0	33.3
517	30.0	310.0	4.0	0.0	33.6
518	40.0	310.0	4.0	0.0	33.8
519	50.0	310.0	4.0	0.0	34.1
520	60.0	310.0	4.0	0.0	34.5
521	70.0	310.0	4.0	0.0	34.8
522	80.0	310.0	4.0	0.0	35.3
523	90.0	310.0	4.0	0.0	35.8
524	100.0	310.0	4.0	0.0	36.3
525	110.0	310.0	4.0	0.0	37.0
526	120.0	310.0	4.0	0.0	37.5
527	130.0	310.0	4.0	0.0	39.4
528	140.0	310.0	4.0	0.0	39.6
529	150.0	310.0	4.0	0.0	39.8
530	160.0	310.0	4.0	0.0	40.1
531	170.0	310.0	4.0	0.0	40.3
532	180.0	310.0	4.0	0.0	40.5
533	190.0	310.0	4.0	0.0	40.8
534	200.0	310.0	4.0	0.0	41.0
535	210.0	310.0	4.0	0.0	41.2
536	220.0	310.0	4.0	0.0	41.5

537	230.0	310.0	4.0	0.0	41.7
538	240.0	310.0	4.0	0.0	41.9
539	250.0	310.0	4.0	0.0	42.1
540	260.0	310.0	4.0	0.0	42.4
541	270.0	310.0	4.0	0.0	42.6
542	280.0	310.0	4.0	0.0	42.7
543	290.0	310.0	4.0	0.0	42.9
544	300.0	310.0	4.0	0.0	43.1
545	310.0	310.0	4.0	0.0	43.2
546	320.0	310.0	4.0	0.0	43.4
547	330.0	310.0	4.0	0.0	43.5
548	340.0	310.0	4.0	0.0	43.6
549	350.0	310.0	4.0	0.0	43.7
550	360.0	310.0	4.0	0.0	43.7
551	370.0	310.0	4.0	0.0	43.8
552	380.0	310.0	4.0	0.0	43.8
553	390.0	310.0	4.0	0.0	43.8
554	400.0	310.0	4.0	0.0	43.8
555	410.0	310.0	4.0	0.0	43.7
556	420.0	310.0	4.0	0.0	46.0
557	430.0	310.0	4.0	0.0	46.0
558	440.0	310.0	4.0	0.0	45.9
559	450.0	310.0	4.0	0.0	45.8
560	460.0	310.0	4.0	0.0	45.7
561	470.0	310.0	4.0	0.0	43.1
562	480.0	310.0	4.0	0.0	42.9
563	490.0	310.0	4.0	0.0	42.7
564	500.0	310.0	4.0	0.0	42.6
565	510.0	310.0	4.0	0.0	42.4
566	520.0	310.0	4.0	0.0	42.2
567	530.0	310.0	4.0	0.0	41.9

568	540.0	310.0	4.0	0.0	41.7
569	550.0	310.0	4.0	0.0	41.5
570	560.0	310.0	4.0	0.0	41.3
571	0.0	300.0	4.0	0.0	33.0
572	10.0	300.0	4.0	0.0	33.2
573	20.0	300.0	4.0	0.0	33.4
574	30.0	300.0	4.0	0.0	33.6
575	40.0	300.0	4.0	0.0	33.8
576	50.0	300.0	4.0	0.0	34.1
577	60.0	300.0	4.0	0.0	34.4
578	70.0	300.0	4.0	0.0	34.7
579	80.0	300.0	4.0	0.0	35.1
580	90.0	300.0	4.0	0.0	35.5
581	100.0	300.0	4.0	0.0	36.0
582	110.0	300.0	4.0	0.0	36.5
583	120.0	300.0	4.0	0.0	37.2
584	130.0	300.0	4.0	0.0	37.9
585	140.0	300.0	4.0	0.0	39.8
586	150.0	300.0	4.0	0.0	40.0
587	160.0	300.0	4.0	0.0	40.3
588	170.0	300.0	4.0	0.0	40.5
589	180.0	300.0	4.0	0.0	40.8
590	190.0	300.0	4.0	0.0	41.0
591	200.0	300.0	4.0	0.0	41.2
592	210.0	300.0	4.0	0.0	41.5
593	220.0	300.0	4.0	0.0	41.7
594	230.0	300.0	4.0	0.0	42.0
595	240.0	300.0	4.0	0.0	42.2
596	250.0	300.0	4.0	0.0	42.4
597	260.0	300.0	4.0	0.0	42.7
598	270.0	300.0	4.0	0.0	42.9

599	280.0	300.0	4.0	0.0	43.1
600	290.0	300.0	4.0	0.0	43.3
601	300.0	300.0	4.0	0.0	43.4
602	310.0	300.0	4.0	0.0	43.6
603	320.0	300.0	4.0	0.0	43.8
604	330.0	300.0	4.0	0.0	43.9
605	340.0	300.0	4.0	0.0	44.0
606	350.0	300.0	4.0	0.0	44.1
607	360.0	300.0	4.0	0.0	44.2
608	370.0	300.0	4.0	0.0	44.2
609	380.0	300.0	4.0	0.0	44.3
610	390.0	300.0	4.0	0.0	44.3
611	400.0	300.0	4.0	0.0	44.3
612	410.0	300.0	4.0	0.0	46.5
613	420.0	300.0	4.0	0.0	46.5
614	430.0	300.0	4.0	0.0	46.4
615	440.0	300.0	4.0	0.0	46.3
616	450.0	300.0	4.0	0.0	46.2
617	460.0	300.0	4.0	0.0	46.1
618	470.0	300.0	4.0	0.0	43.5
619	480.0	300.0	4.0	0.0	43.3
620	490.0	300.0	4.0	0.0	43.1
621	500.0	300.0	4.0	0.0	42.9
622	510.0	300.0	4.0	0.0	42.7
623	520.0	300.0	4.0	0.0	42.5
624	530.0	300.0	4.0	0.0	42.2
625	540.0	300.0	4.0	0.0	42.0
626	550.0	300.0	4.0	0.0	41.8
627	560.0	300.0	4.0	0.0	41.6
628	0.0	290.0	4.0	0.0	33.0
629	10.0	290.0	4.0	0.0	33.2

630	20.0	290.0	4.0	0.0	33.5
631	30.0	290.0	4.0	0.0	33.7
632	40.0	290.0	4.0	0.0	33.9
633	50.0	290.0	4.0	0.0	34.1
634	60.0	290.0	4.0	0.0	34.4
635	70.0	290.0	4.0	0.0	34.7
636	80.0	290.0	4.0	0.0	35.0
637	90.0	290.0	4.0	0.0	35.3
638	100.0	290.0	4.0	0.0	35.7
639	110.0	290.0	4.0	0.0	36.2
640	120.0	290.0	4.0	0.0	36.8
641	130.0	290.0	4.0	0.0	37.4
642	140.0	290.0	4.0	0.0	38.1
643	150.0	290.0	4.0	0.0	38.6
644	160.0	290.0	4.0	0.0	40.5
645	170.0	290.0	4.0	0.0	40.7
646	180.0	290.0	4.0	0.0	41.0
647	190.0	290.0	4.0	0.0	41.2
648	200.0	290.0	4.0	0.0	41.5
649	210.0	290.0	4.0	0.0	41.7
650	220.0	290.0	4.0	0.0	42.0
651	230.0	290.0	4.0	0.0	42.2
652	240.0	290.0	4.0	0.0	42.5
653	250.0	290.0	4.0	0.0	42.8
654	260.0	290.0	4.0	0.0	43.0
655	270.0	290.0	4.0	0.0	43.2
656	280.0	290.0	4.0	0.0	43.5
657	290.0	290.0	4.0	0.0	43.7
658	300.0	290.0	4.0	0.0	43.9
659	310.0	290.0	4.0	0.0	44.0
660	320.0	290.0	4.0	0.0	44.2

661	330.0	290.0	4.0	0.0	44.4
662	340.0	290.0	4.0	0.0	44.5
663	350.0	290.0	4.0	0.0	44.6
664	360.0	290.0	4.0	0.0	44.7
665	370.0	290.0	4.0	0.0	44.7
666	380.0	290.0	4.0	0.0	44.8
667	390.0	290.0	4.0	0.0	44.8
668	400.0	290.0	4.0	0.0	44.7
669	410.0	290.0	4.0	0.0	47.0
670	420.0	290.0	4.0	0.0	47.0
671	430.0	290.0	4.0	0.0	46.9
672	440.0	290.0	4.0	0.0	46.8
673	450.0	290.0	4.0	0.0	46.7
674	460.0	290.0	4.0	0.0	46.5
675	470.0	290.0	4.0	0.0	43.9
676	480.0	290.0	4.0	0.0	43.7
677	490.0	290.0	4.0	0.0	43.5
678	500.0	290.0	4.0	0.0	43.3
679	510.0	290.0	4.0	0.0	43.0
680	520.0	290.0	4.0	0.0	42.8
681	530.0	290.0	4.0	0.0	42.5
682	540.0	290.0	4.0	0.0	42.3
683	550.0	290.0	4.0	0.0	42.1
684	560.0	290.0	4.0	0.0	41.8
685	0.0	280.0	4.0	0.0	33.1
686	10.0	280.0	4.0	0.0	33.3
687	20.0	280.0	4.0	0.0	33.5
688	30.0	280.0	4.0	0.0	33.7
689	40.0	280.0	4.0	0.0	34.0
690	50.0	280.0	4.0	0.0	34.2
691	60.0	280.0	4.0	0.0	34.4

692	70.0	280.0	4.0	0.0	34.7
693	80.0	280.0	4.0	0.0	34.9
694	90.0	280.0	4.0	0.0	35.3
695	100.0	280.0	4.0	0.0	35.6
696	110.0	280.0	4.0	0.0	36.0
697	120.0	280.0	4.0	0.0	36.4
698	130.0	280.0	4.0	0.0	37.0
699	140.0	280.0	4.0	0.0	37.6
700	150.0	280.0	4.0	0.0	38.3
701	160.0	280.0	4.0	0.0	39.0
702	170.0	280.0	4.0	0.0	40.9
703	180.0	280.0	4.0	0.0	41.2
704	190.0	280.0	4.0	0.0	41.5
705	200.0	280.0	4.0	0.0	41.7
706	210.0	280.0	4.0	0.0	42.0
707	220.0	280.0	4.0	0.0	42.3
708	230.0	280.0	4.0	0.0	42.5
709	240.0	280.0	4.0	0.0	42.8
710	250.0	280.0	4.0	0.0	43.1
711	260.0	280.0	4.0	0.0	43.3
712	270.0	280.0	4.0	0.0	43.6
713	280.0	280.0	4.0	0.0	43.8
714	290.0	280.0	4.0	0.0	44.1
715	300.0	280.0	4.0	0.0	44.3
716	310.0	280.0	4.0	0.0	44.5
717	320.0	280.0	4.0	0.0	44.7
718	330.0	280.0	4.0	0.0	44.8
719	340.0	280.0	4.0	0.0	45.0
720	350.0	280.0	4.0	0.0	45.1
721	360.0	280.0	4.0	0.0	45.2
722	370.0	280.0	4.0	0.0	45.3

723	380.0	280.0	4.0	0.0	45.3
724	390.0	280.0	4.0	0.0	45.3
725	400.0	280.0	4.0	0.0	45.3
726	410.0	280.0	4.0	0.0	47.5
727	420.0	280.0	4.0	0.0	47.5
728	430.0	280.0	4.0	0.0	47.4
729	440.0	280.0	4.0	0.0	47.3
730	450.0	280.0	4.0	0.0	47.1
731	460.0	280.0	4.0	0.0	44.5
732	470.0	280.0	4.0	0.0	44.3
733	480.0	280.0	4.0	0.0	44.1
734	490.0	280.0	4.0	0.0	43.8
735	500.0	280.0	4.0	0.0	43.6
736	510.0	280.0	4.0	0.0	43.4
737	520.0	280.0	4.0	0.0	43.1
738	530.0	280.0	4.0	0.0	42.9
739	540.0	280.0	4.0	0.0	42.6
740	550.0	280.0	4.0	0.0	42.3
741	560.0	280.0	4.0	0.0	42.1
742	0.0	270.0	4.0	0.0	33.2
743	10.0	270.0	4.0	0.0	33.4
744	20.0	270.0	4.0	0.0	33.6
745	30.0	270.0	4.0	0.0	33.8
746	40.0	270.0	4.0	0.0	34.0
747	50.0	270.0	4.0	0.0	34.3
748	60.0	270.0	4.0	0.0	34.5
749	70.0	270.0	4.0	0.0	34.8
750	80.0	270.0	4.0	0.0	35.0
751	90.0	270.0	4.0	0.0	35.3
752	100.0	270.0	4.0	0.0	35.6
753	110.0	270.0	4.0	0.0	35.9

754	120.0	270.0	4.0	0.0	36.2
755	130.0	270.0	4.0	0.0	36.7
756	140.0	270.0	4.0	0.0	37.2
757	150.0	270.0	4.0	0.0	37.8
758	160.0	270.0	4.0	0.0	38.5
759	170.0	270.0	4.0	0.0	39.4
760	180.0	270.0	4.0	0.0	41.4
761	190.0	270.0	4.0	0.0	41.7
762	200.0	270.0	4.0	0.0	42.0
763	210.0	270.0	4.0	0.0	42.2
764	220.0	270.0	4.0	0.0	42.5
765	230.0	270.0	4.0	0.0	42.8
766	240.0	270.0	4.0	0.0	43.1
767	250.0	270.0	4.0	0.0	43.4
768	260.0	270.0	4.0	0.0	43.7
769	270.0	270.0	4.0	0.0	44.0
770	280.0	270.0	4.0	0.0	44.2
771	290.0	270.0	4.0	0.0	44.5
772	300.0	270.0	4.0	0.0	44.7
773	310.0	270.0	4.0	0.0	45.0
774	320.0	270.0	4.0	0.0	45.2
775	330.0	270.0	4.0	0.0	45.3
776	340.0	270.0	4.0	0.0	45.5
777	350.0	270.0	4.0	0.0	45.6
778	360.0	270.0	4.0	0.0	45.7
779	370.0	270.0	4.0	0.0	45.8
780	380.0	270.0	4.0	0.0	45.8
781	390.0	270.0	4.0	0.0	45.9
782	400.0	270.0	4.0	0.0	45.8
783	410.0	270.0	4.0	0.0	48.0
784	420.0	270.0	4.0	0.0	48.0

785	430.0	270.0	4.0	0.0	47.9
786	440.0	270.0	4.0	0.0	47.8
787	450.0	270.0	4.0	0.0	47.6
788	460.0	270.0	4.0	0.0	45.0
789	470.0	270.0	4.0	0.0	44.7
790	480.0	270.0	4.0	0.0	44.5
791	490.0	270.0	4.0	0.0	44.2
792	500.0	270.0	4.0	0.0	44.0
793	510.0	270.0	4.0	0.0	43.7
794	520.0	270.0	4.0	0.0	43.4
795	530.0	270.0	4.0	0.0	43.2
796	540.0	270.0	4.0	0.0	42.9
797	550.0	270.0	4.0	0.0	42.6
798	560.0	270.0	4.0	0.0	42.3
799	0.0	260.0	4.0	0.0	33.3
800	10.0	260.0	4.0	0.0	33.5
801	20.0	260.0	4.0	0.0	33.7
802	30.0	260.0	4.0	0.0	33.9
803	40.0	260.0	4.0	0.0	34.1
804	50.0	260.0	4.0	0.0	34.4
805	60.0	260.0	4.0	0.0	34.6
806	70.0	260.0	4.0	0.0	34.8
807	80.0	260.0	4.0	0.0	35.1
808	90.0	260.0	4.0	0.0	35.3
809	100.0	260.0	4.0	0.0	35.6
810	110.0	260.0	4.0	0.0	35.9
811	120.0	260.0	4.0	0.0	36.2
812	130.0	260.0	4.0	0.0	36.6
813	140.0	260.0	4.0	0.0	37.0
814	150.0	260.0	4.0	0.0	37.4
815	160.0	260.0	4.0	0.0	38.0

816	170.0	260.0	4.0	0.0	38.8
817	180.0	260.0	4.0	0.0	39.6
818	190.0	260.0	4.0	0.0	40.2
819	200.0	260.0	4.0	0.0	42.2
820	210.0	260.0	4.0	0.0	42.5
821	220.0	260.0	4.0	0.0	42.8
822	230.0	260.0	4.0	0.0	43.1
823	240.0	260.0	4.0	0.0	43.4
824	250.0	260.0	4.0	0.0	43.7
825	260.0	260.0	4.0	0.0	44.0
826	270.0	260.0	4.0	0.0	44.3
827	280.0	260.0	4.0	0.0	44.6
828	290.0	260.0	4.0	0.0	44.9
829	300.0	260.0	4.0	0.0	45.2
830	310.0	260.0	4.0	0.0	45.5
831	320.0	260.0	4.0	0.0	45.7
832	330.0	260.0	4.0	0.0	45.9
833	340.0	260.0	4.0	0.0	46.1
834	350.0	260.0	4.0	0.0	46.2
835	360.0	260.0	4.0	0.0	46.3
836	370.0	260.0	4.0	0.0	46.4
837	380.0	260.0	4.0	0.0	46.4
838	390.0	260.0	4.0	0.0	46.5
839	400.0	260.0	4.0	0.0	46.4
840	410.0	260.0	4.0	0.0	48.6
841	420.0	260.0	4.0	0.0	48.6
842	430.0	260.0	4.0	0.0	48.4
843	440.0	260.0	4.0	0.0	48.3
844	450.0	260.0	4.0	0.0	48.1
845	460.0	260.0	4.0	0.0	45.4
846	470.0	260.0	4.0	0.0	45.2

847	480.0	260.0	4.0	0.0	44.9
848	490.0	260.0	4.0	0.0	44.7
849	500.0	260.0	4.0	0.0	44.4
850	510.0	260.0	4.0	0.0	44.1
851	520.0	260.0	4.0	0.0	43.8
852	530.0	260.0	4.0	0.0	43.5
853	540.0	260.0	4.0	0.0	43.2
854	550.0	260.0	4.0	0.0	42.9
855	560.0	260.0	4.0	0.0	42.6
856	0.0	250.0	4.0	0.0	33.5
857	10.0	250.0	4.0	0.0	33.7
858	20.0	250.0	4.0	0.0	33.9
859	30.0	250.0	4.0	0.0	34.1
860	40.0	250.0	4.0	0.0	34.3
861	50.0	250.0	4.0	0.0	34.5
862	60.0	250.0	4.0	0.0	34.7
863	70.0	250.0	4.0	0.0	34.9
864	80.0	250.0	4.0	0.0	35.2
865	90.0	250.0	4.0	0.0	35.4
866	100.0	250.0	4.0	0.0	35.7
867	110.0	250.0	4.0	0.0	36.0
868	120.0	250.0	4.0	0.0	36.2
869	130.0	250.0	4.0	0.0	36.5
870	140.0	250.0	4.0	0.0	36.9
871	150.0	250.0	4.0	0.0	37.3
872	160.0	250.0	4.0	0.0	37.7
873	170.0	250.0	4.0	0.0	38.3
874	180.0	250.0	4.0	0.0	39.0
875	190.0	250.0	4.0	0.0	39.9
876	200.0	250.0	4.0	0.0	40.7
877	210.0	250.0	4.0	0.0	42.7

878	220.0	250.0	4.0	0.0	43.1
879	230.0	250.0	4.0	0.0	43.4
880	240.0	250.0	4.0	0.0	43.7
881	250.0	250.0	4.0	0.0	44.0
882	260.0	250.0	4.0	0.0	44.4
883	270.0	250.0	4.0	0.0	44.7
884	280.0	250.0	4.0	0.0	45.1
885	290.0	250.0	4.0	0.0	45.4
886	300.0	250.0	4.0	0.0	45.7
887	310.0	250.0	4.0	0.0	46.0
888	320.0	250.0	4.0	0.0	46.2
889	330.0	250.0	4.0	0.0	46.4
890	340.0	250.0	4.0	0.0	46.6
891	350.0	250.0	4.0	0.0	46.8
892	360.0	250.0	4.0	0.0	46.9
893	370.0	250.0	4.0	0.0	47.0
894	380.0	250.0	4.0	0.0	47.1
895	390.0	250.0	4.0	0.0	47.1
896	400.0	250.0	4.0	0.0	47.0
897	410.0	250.0	4.0	0.0	49.2
898	420.0	250.0	4.0	0.0	49.1
899	430.0	250.0	4.0	0.0	49.0
900	440.0	250.0	4.0	0.0	48.9
901	450.0	250.0	4.0	0.0	48.7
902	460.0	250.0	4.0	0.0	46.0
903	470.0	250.0	4.0	0.0	45.7
904	480.0	250.0	4.0	0.0	45.4
905	490.0	250.0	4.0	0.0	45.1
906	500.0	250.0	4.0	0.0	44.8
907	510.0	250.0	4.0	0.0	44.4
908	520.0	250.0	4.0	0.0	44.1

909	530.0	250.0	4.0	0.0	43.8
910	540.0	250.0	4.0	0.0	43.5
911	550.0	250.0	4.0	0.0	43.2
912	560.0	250.0	4.0	0.0	42.9
913	0.0	240.0	4.0	0.0	33.6
914	10.0	240.0	4.0	0.0	33.8
915	20.0	240.0	4.0	0.0	34.0
916	30.0	240.0	4.0	0.0	34.2
917	40.0	240.0	4.0	0.0	34.4
918	50.0	240.0	4.0	0.0	34.6
919	60.0	240.0	4.0	0.0	34.8
920	70.0	240.0	4.0	0.0	35.0
921	80.0	240.0	4.0	0.0	35.3
922	90.0	240.0	4.0	0.0	35.5
923	100.0	240.0	4.0	0.0	35.8
924	110.0	240.0	4.0	0.0	36.1
925	120.0	240.0	4.0	0.0	36.3
926	130.0	240.0	4.0	0.0	36.6
927	140.0	240.0	4.0	0.0	36.9
928	150.0	240.0	4.0	0.0	37.3
929	160.0	240.0	4.0	0.0	37.7
930	170.0	240.0	4.0	0.0	38.1
931	180.0	240.0	4.0	0.0	38.6
932	190.0	240.0	4.0	0.0	39.3
933	200.0	240.0	4.0	0.0	40.1
934	210.0	240.0	4.0	0.0	41.2
935	220.0	240.0	4.0	0.0	43.3
936	230.0	240.0	4.0	0.0	43.7
937	240.0	240.0	4.0	0.0	44.0
938	250.0	240.0	4.0	0.0	44.4
939	260.0	240.0	4.0	0.0	44.8

940	270.0	240.0	4.0	0.0	45.1
941	280.0	240.0	4.0	0.0	45.5
942	290.0	240.0	4.0	0.0	45.9
943	300.0	240.0	4.0	0.0	46.2
944	310.0	240.0	4.0	0.0	46.5
945	320.0	240.0	4.0	0.0	46.8
946	330.0	240.0	4.0	0.0	47.0
947	340.0	240.0	4.0	0.0	47.3
948	350.0	240.0	4.0	0.0	47.4
949	360.0	240.0	4.0	0.0	47.6
950	370.0	240.0	4.0	0.0	47.7
951	380.0	240.0	4.0	0.0	47.8
952	390.0	240.0	4.0	0.0	47.8
953	400.0	240.0	4.0	0.0	47.7
954	410.0	240.0	4.0	0.0	49.9
955	420.0	240.0	4.0	0.0	49.8
956	430.0	240.0	4.0	0.0	49.6
957	440.0	240.0	4.0	0.0	49.4
958	450.0	240.0	4.0	0.0	46.8
959	460.0	240.0	4.0	0.0	46.5
960	470.0	240.0	4.0	0.0	46.2
961	480.0	240.0	4.0	0.0	45.8
962	490.0	240.0	4.0	0.0	45.5
963	500.0	240.0	4.0	0.0	45.2
964	510.0	240.0	4.0	0.0	44.8
965	520.0	240.0	4.0	0.0	44.5
966	530.0	240.0	4.0	0.0	44.1
967	540.0	240.0	4.0	0.0	43.8
968	550.0	240.0	4.0	0.0	43.4
969	560.0	240.0	4.0	0.0	43.1
970	0.0	230.0	4.0	0.0	33.8

971	10.0	230.0	4.0	0.0	34.0
972	20.0	230.0	4.0	0.0	34.2
973	30.0	230.0	4.0	0.0	34.4
974	40.0	230.0	4.0	0.0	34.6
975	50.0	230.0	4.0	0.0	34.8
976	60.0	230.0	4.0	0.0	35.0
977	70.0	230.0	4.0	0.0	35.2
978	80.0	230.0	4.0	0.0	35.4
979	90.0	230.0	4.0	0.0	35.7
980	100.0	230.0	4.0	0.0	35.9
981	110.0	230.0	4.0	0.0	36.2
982	120.0	230.0	4.0	0.0	36.4
983	130.0	230.0	4.0	0.0	36.7
984	140.0	230.0	4.0	0.0	37.0
985	150.0	230.0	4.0	0.0	37.3
986	160.0	230.0	4.0	0.0	37.7
987	170.0	230.0	4.0	0.0	38.0
988	180.0	230.0	4.0	0.0	38.5
989	190.0	230.0	4.0	0.0	39.0
990	200.0	230.0	4.0	0.0	39.6
991	210.0	230.0	4.0	0.0	40.4
992	220.0	230.0	4.0	0.0	41.4
993	230.0	230.0	4.0	0.0	42.3
994	240.0	230.0	4.0	0.0	44.3
995	250.0	230.0	4.0	0.0	44.7
996	260.0	230.0	4.0	0.0	45.1
997	270.0	230.0	4.0	0.0	45.6
998	280.0	230.0	4.0	0.0	46.0
999	290.0	230.0	4.0	0.0	46.4
1000	300.0	230.0	4.0	0.0	46.8
1001	310.0	230.0	4.0	0.0	47.1

1002	320.0	230.0	4.0	0.0	47.4
1003	330.0	230.0	4.0	0.0	47.7
1004	340.0	230.0	4.0	0.0	47.9
1005	350.0	230.0	4.0	0.0	48.1
1006	360.0	230.0	4.0	0.0	48.3
1007	370.0	230.0	4.0	0.0	48.4
1008	380.0	230.0	4.0	0.0	48.5
1009	390.0	230.0	4.0	0.0	48.5
1010	400.0	230.0	4.0	0.0	48.4
1011	410.0	230.0	4.0	0.0	50.6
1012	420.0	230.0	4.0	0.0	50.5
1013	430.0	230.0	4.0	0.0	50.3
1014	440.0	230.0	4.0	0.0	50.1
1015	450.0	230.0	4.0	0.0	47.3
1016	460.0	230.0	4.0	0.0	47.0
1017	470.0	230.0	4.0	0.0	46.7
1018	480.0	230.0	4.0	0.0	46.3
1019	490.0	230.0	4.0	0.0	45.9
1020	500.0	230.0	4.0	0.0	45.6
1021	510.0	230.0	4.0	0.0	45.2
1022	520.0	230.0	4.0	0.0	44.8
1023	530.0	230.0	4.0	0.0	44.4
1024	540.0	230.0	4.0	0.0	44.1
1025	550.0	230.0	4.0	0.0	43.7
1026	560.0	230.0	4.0	0.0	43.4
1027	0.0	220.0	4.0	0.0	34.1
1028	10.0	220.0	4.0	0.0	34.2
1029	20.0	220.0	4.0	0.0	34.4
1030	30.0	220.0	4.0	0.0	34.6
1031	40.0	220.0	4.0	0.0	34.8
1032	50.0	220.0	4.0	0.0	35.0

1033	60.0	220.0	4.0	0.0	35.2
1034	70.0	220.0	4.0	0.0	35.4
1035	80.0	220.0	4.0	0.0	35.6
1036	90.0	220.0	4.0	0.0	35.8
1037	100.0	220.0	4.0	0.0	36.1
1038	110.0	220.0	4.0	0.0	36.3
1039	120.0	220.0	4.0	0.0	36.6
1040	130.0	220.0	4.0	0.0	36.9
1041	140.0	220.0	4.0	0.0	37.2
1042	150.0	220.0	4.0	0.0	37.5
1043	160.0	220.0	4.0	0.0	37.8
1044	170.0	220.0	4.0	0.0	38.1
1045	180.0	220.0	4.0	0.0	38.5
1046	190.0	220.0	4.0	0.0	38.9
1047	200.0	220.0	4.0	0.0	39.4
1048	210.0	220.0	4.0	0.0	40.0
1049	220.0	220.0	4.0	0.0	40.7
1050	230.0	220.0	4.0	0.0	41.8
1051	240.0	220.0	4.0	0.0	42.9
1052	250.0	220.0	4.0	0.0	45.1
1053	260.0	220.0	4.0	0.0	45.5
1054	270.0	220.0	4.0	0.0	46.0
1055	280.0	220.0	4.0	0.0	46.5
1056	290.0	220.0	4.0	0.0	46.9
1057	300.0	220.0	4.0	0.0	47.3
1058	310.0	220.0	4.0	0.0	47.7
1059	320.0	220.0	4.0	0.0	48.1
1060	330.0	220.0	4.0	0.0	48.4
1061	340.0	220.0	4.0	0.0	48.7
1062	350.0	220.0	4.0	0.0	48.9
1063	360.0	220.0	4.0	0.0	49.1

1064	370.0	220.0	4.0	0.0	49.2
1065	380.0	220.0	4.0	0.0	49.3
1066	390.0	220.0	4.0	0.0	49.3
1067	400.0	220.0	4.0	0.0	49.2
1068	410.0	220.0	4.0	0.0	51.3
1069	420.0	220.0	4.0	0.0	51.2
1070	430.0	220.0	4.0	0.0	51.0
1071	440.0	220.0	4.0	0.0	50.7
1072	450.0	220.0	4.0	0.0	48.0
1073	460.0	220.0	4.0	0.0	47.6
1074	470.0	220.0	4.0	0.0	47.2
1075	480.0	220.0	4.0	0.0	46.8
1076	490.0	220.0	4.0	0.0	46.4
1077	500.0	220.0	4.0	0.0	46.0
1078	510.0	220.0	4.0	0.0	45.6
1079	520.0	220.0	4.0	0.0	45.2
1080	530.0	220.0	4.0	0.0	44.7
1081	540.0	220.0	4.0	0.0	44.4
1082	550.0	220.0	4.0	0.0	44.0
1083	560.0	220.0	4.0	0.0	43.6
1084	0.0	210.0	4.0	0.0	34.3
1085	10.0	210.0	4.0	0.0	34.5
1086	20.0	210.0	4.0	0.0	34.7
1087	30.0	210.0	4.0	0.0	34.9
1088	40.0	210.0	4.0	0.0	35.0
1089	50.0	210.0	4.0	0.0	35.2
1090	60.0	210.0	4.0	0.0	35.4
1091	70.0	210.0	4.0	0.0	35.6
1092	80.0	210.0	4.0	0.0	35.8
1093	90.0	210.0	4.0	0.0	36.0
1094	100.0	210.0	4.0	0.0	36.3

1095	110.0	210.0	4.0	0.0	36.5
1096	120.0	210.0	4.0	0.0	36.8
1097	130.0	210.0	4.0	0.0	37.0
1098	140.0	210.0	4.0	0.0	37.3
1099	150.0	210.0	4.0	0.0	37.6
1100	160.0	210.0	4.0	0.0	37.9
1101	170.0	210.0	4.0	0.0	38.3
1102	180.0	210.0	4.0	0.0	38.6
1103	190.0	210.0	4.0	0.0	39.0
1104	200.0	210.0	4.0	0.0	39.4
1105	210.0	210.0	4.0	0.0	39.9
1106	220.0	210.0	4.0	0.0	40.4
1107	230.0	210.0	4.0	0.0	41.2
1108	240.0	210.0	4.0	0.0	42.1
1109	250.0	210.0	4.0	0.0	43.4
1110	260.0	210.0	4.0	0.0	45.9
1111	270.0	210.0	4.0	0.0	46.4
1112	280.0	210.0	4.0	0.0	47.0
1113	290.0	210.0	4.0	0.0	47.5
1114	300.0	210.0	4.0	0.0	48.0
1115	310.0	210.0	4.0	0.0	48.5
1116	320.0	210.0	4.0	0.0	48.8
1117	330.0	210.0	4.0	0.0	49.1
1118	340.0	210.0	4.0	0.0	49.4
1119	350.0	210.0	4.0	0.0	49.7
1120	360.0	210.0	4.0	0.0	49.9
1121	370.0	210.0	4.0	0.0	50.1
1122	380.0	210.0	4.0	0.0	50.2
1123	390.0	210.0	4.0	0.0	50.2
1124	400.0	210.0	4.0	0.0	50.1
1125	410.0	210.0	4.0	0.0	52.1

1126	420.0	210.0	4.0	0.0	52.0
1127	430.0	210.0	4.0	0.0	51.7
1128	440.0	210.0	4.0	0.0	49.0
1129	450.0	210.0	4.0	0.0	48.6
1130	460.0	210.0	4.0	0.0	48.2
1131	470.0	210.0	4.0	0.0	47.7
1132	480.0	210.0	4.0	0.0	47.3
1133	490.0	210.0	4.0	0.0	46.8
1134	500.0	210.0	4.0	0.0	46.4
1135	510.0	210.0	4.0	0.0	45.9
1136	520.0	210.0	4.0	0.0	45.5
1137	530.0	210.0	4.0	0.0	45.1
1138	540.0	210.0	4.0	0.0	44.6
1139	550.0	210.0	4.0	0.0	44.2
1140	560.0	210.0	4.0	0.0	43.8
1141	0.0	200.0	4.0	0.0	34.7
1142	10.0	200.0	4.0	0.0	34.8
1143	20.0	200.0	4.0	0.0	35.0
1144	30.0	200.0	4.0	0.0	35.2
1145	40.0	200.0	4.0	0.0	35.3
1146	50.0	200.0	4.0	0.0	35.5
1147	60.0	200.0	4.0	0.0	35.7
1148	70.0	200.0	4.0	0.0	35.9
1149	80.0	200.0	4.0	0.0	36.1
1150	90.0	200.0	4.0	0.0	36.3
1151	100.0	200.0	4.0	0.0	36.5
1152	110.0	200.0	4.0	0.0	36.8
1153	120.0	200.0	4.0	0.0	37.0
1154	130.0	200.0	4.0	0.0	37.2
1155	140.0	200.0	4.0	0.0	37.5
1156	150.0	200.0	4.0	0.0	37.8

1157	160.0	200.0	4.0	0.0	38.1
1158	170.0	200.0	4.0	0.0	38.4
1159	180.0	200.0	4.0	0.0	38.8
1160	190.0	200.0	4.0	0.0	39.1
1161	200.0	200.0	4.0	0.0	39.5
1162	210.0	200.0	4.0	0.0	39.9
1163	220.0	200.0	4.0	0.0	40.4
1164	230.0	200.0	4.0	0.0	41.0
1165	240.0	200.0	4.0	0.0	41.7
1166	250.0	200.0	4.0	0.0	42.6
1167	260.0	200.0	4.0	0.0	44.0
1168	270.0	200.0	4.0	0.0	45.3
1169	280.0	200.0	4.0	0.0	47.6
1170	290.0	200.0	4.0	0.0	48.3
1171	300.0	200.0	4.0	0.0	49.0
1172	310.0	200.0	4.0	0.0	49.4
1173	320.0	200.0	4.0	0.0	49.7
1174	330.0	200.0	4.0	0.0	50.0
1175	340.0	200.0	4.0	0.0	50.3
1176	350.0	200.0	4.0	0.0	50.6
1177	360.0	200.0	4.0	0.0	50.8
1178	370.0	200.0	4.0	0.0	51.0
1179	380.0	200.0	4.0	0.0	51.1
1180	390.0	200.0	4.0	0.0	51.1
1181	400.0	200.0	4.0	0.0	51.0
1182	410.0	200.0	4.0	0.0	53.0
1183	420.0	200.0	4.0	0.0	52.8
1184	430.0	200.0	4.0	0.0	52.5
1185	440.0	200.0	4.0	0.0	49.7
1186	450.0	200.0	4.0	0.0	49.3
1187	460.0	200.0	4.0	0.0	48.8

1188	470.0	200.0	4.0	0.0	48.3
1189	480.0	200.0	4.0	0.0	47.8
1190	490.0	200.0	4.0	0.0	47.3
1191	500.0	200.0	4.0	0.0	46.8
1192	510.0	200.0	4.0	0.0	46.3
1193	520.0	200.0	4.0	0.0	45.8
1194	530.0	200.0	4.0	0.0	45.3
1195	540.0	200.0	4.0	0.0	44.9
1196	550.0	200.0	4.0	0.0	44.5
1197	560.0	200.0	4.0	0.0	44.0
1198	0.0	190.0	4.0	0.0	35.1
1199	10.0	190.0	4.0	0.0	35.3
1200	20.0	190.0	4.0	0.0	35.4
1201	30.0	190.0	4.0	0.0	35.6
1202	40.0	190.0	4.0	0.0	35.7
1203	50.0	190.0	4.0	0.0	35.9
1204	60.0	190.0	4.0	0.0	36.1
1205	70.0	190.0	4.0	0.0	36.2
1206	80.0	190.0	4.0	0.0	36.4
1207	90.0	190.0	4.0	0.0	36.6
1208	100.0	190.0	4.0	0.0	36.8
1209	110.0	190.0	4.0	0.0	37.0
1210	120.0	190.0	4.0	0.0	37.3
1211	130.0	190.0	4.0	0.0	37.5
1212	140.0	190.0	4.0	0.0	37.8
1213	150.0	190.0	4.0	0.0	38.0
1214	160.0	190.0	4.0	0.0	38.3
1215	170.0	190.0	4.0	0.0	38.6
1216	180.0	190.0	4.0	0.0	39.0
1217	190.0	190.0	4.0	0.0	39.3
1218	200.0	190.0	4.0	0.0	39.7

1219	210.0	190.0	4.0	0.0	40.1
1220	220.0	190.0	4.0	0.0	40.6
1221	230.0	190.0	4.0	0.0	41.1
1222	240.0	190.0	4.0	0.0	41.7
1223	250.0	190.0	4.0	0.0	42.4
1224	260.0	190.0	4.0	0.0	43.3
1225	270.0	190.0	4.0	0.0	44.7
1226	280.0	190.0	4.0	0.0	46.7
1227	290.0	190.0	4.0	0.0	49.6
1228	300.0	190.0	4.0	0.0	51.2
1229	310.0	190.0	4.0	0.0	50.9
1230	320.0	190.0	4.0	0.0	50.8
1231	330.0	190.0	4.0	0.0	50.9
1232	340.0	190.0	4.0	0.0	51.2
1233	350.0	190.0	4.0	0.0	51.5
1234	360.0	190.0	4.0	0.0	51.8
1235	370.0	190.0	4.0	0.0	52.1
1236	380.0	190.0	4.0	0.0	52.2
1237	390.0	190.0	4.0	0.0	52.2
1238	400.0	190.0	4.0	0.0	52.1
1239	410.0	190.0	4.0	0.0	54.0
1240	420.0	190.0	4.0	0.0	53.8
1241	430.0	190.0	4.0	0.0	53.4
1242	440.0	190.0	4.0	0.0	50.5
1243	450.0	190.0	4.0	0.0	50.0
1244	460.0	190.0	4.0	0.0	49.4
1245	470.0	190.0	4.0	0.0	48.8
1246	480.0	190.0	4.0	0.0	48.3
1247	490.0	190.0	4.0	0.0	47.7
1248	500.0	190.0	4.0	0.0	47.2
1249	510.0	190.0	4.0	0.0	46.6

1250	520.0	190.0	4.0	0.0	46.1
1251	530.0	190.0	4.0	0.0	45.6
1252	540.0	190.0	4.0	0.0	45.1
1253	550.0	190.0	4.0	0.0	44.7
1254	560.0	190.0	4.0	0.0	44.2
1255	0.0	180.0	4.0	0.0	35.6
1256	10.0	180.0	4.0	0.0	35.7
1257	20.0	180.0	4.0	0.0	35.9
1258	30.0	180.0	4.0	0.0	36.0
1259	40.0	180.0	4.0	0.0	36.2
1260	50.0	180.0	4.0	0.0	36.4
1261	60.0	180.0	4.0	0.0	36.5
1262	70.0	180.0	4.0	0.0	36.7
1263	80.0	180.0	4.0	0.0	36.9
1264	90.0	180.0	4.0	0.0	37.0
1265	100.0	180.0	4.0	0.0	37.2
1266	110.0	180.0	4.0	0.0	37.4
1267	120.0	180.0	4.0	0.0	37.7
1268	130.0	180.0	4.0	0.0	37.9
1269	140.0	180.0	4.0	0.0	38.1
1270	150.0	180.0	4.0	0.0	38.4
1271	160.0	180.0	4.0	0.0	38.6
1272	170.0	180.0	4.0	0.0	38.9
1273	180.0	180.0	4.0	0.0	39.2
1274	190.0	180.0	4.0	0.0	39.6
1275	200.0	180.0	4.0	0.0	39.9
1276	210.0	180.0	4.0	0.0	40.3
1277	220.0	180.0	4.0	0.0	40.8
1278	230.0	180.0	4.0	0.0	41.3
1279	240.0	180.0	4.0	0.0	41.8
1280	250.0	180.0	4.0	0.0	42.4

1281	260.0	180.0	4.0	0.0	43.3
1282	270.0	180.0	4.0	0.0	44.3
1283	280.0	180.0	4.0	0.0	46.0
1284	290.0	180.0	4.0	0.0	49.7
1285	300.0	180.0	4.0	0.0	57.8
1286	310.0	180.0	4.0	0.0	54.5
1287	320.0	180.0	4.0	0.0	52.6
1288	330.0	180.0	4.0	0.0	52.1
1289	340.0	180.0	4.0	0.0	52.3
1290	350.0	180.0	4.0	0.0	52.6
1291	360.0	180.0	4.0	0.0	53.0
1292	370.0	180.0	4.0	0.0	53.2
1293	380.0	180.0	4.0	0.0	53.4
1294	390.0	180.0	4.0	0.0	53.4
1295	400.0	180.0	4.0	0.0	53.3
1296	410.0	180.0	4.0	0.0	55.1
1297	420.0	180.0	4.0	0.0	54.8
1298	430.0	180.0	4.0	0.0	52.0
1299	440.0	180.0	4.0	0.0	51.3
1300	450.0	180.0	4.0	0.0	50.7
1301	460.0	180.0	4.0	0.0	50.0
1302	470.0	180.0	4.0	0.0	49.4
1303	480.0	180.0	4.0	0.0	48.8
1304	490.0	180.0	4.0	0.0	48.1
1305	500.0	180.0	4.0	0.0	47.5
1306	510.0	180.0	4.0	0.0	47.0
1307	520.0	180.0	4.0	0.0	46.4
1308	530.0	180.0	4.0	0.0	45.9
1309	540.0	180.0	4.0	0.0	45.4
1310	550.0	180.0	4.0	0.0	44.9
1311	560.0	180.0	4.0	0.0	44.4

1312	0.0	170.0	4.0	0.0	35.9
1313	10.0	170.0	4.0	0.0	36.1
1314	20.0	170.0	4.0	0.0	36.3
1315	30.0	170.0	4.0	0.0	36.5
1316	40.0	170.0	4.0	0.0	36.7
1317	50.0	170.0	4.0	0.0	36.9
1318	60.0	170.0	4.0	0.0	37.0
1319	70.0	170.0	4.0	0.0	37.2
1320	80.0	170.0	4.0	0.0	37.4
1321	90.0	170.0	4.0	0.0	37.6
1322	100.0	170.0	4.0	0.0	37.8
1323	110.0	170.0	4.0	0.0	38.0
1324	120.0	170.0	4.0	0.0	38.2
1325	130.0	170.0	4.0	0.0	38.4
1326	140.0	170.0	4.0	0.0	38.6
1327	150.0	170.0	4.0	0.0	38.8
1328	160.0	170.0	4.0	0.0	39.1
1329	170.0	170.0	4.0	0.0	39.3
1330	180.0	170.0	4.0	0.0	39.6
1331	190.0	170.0	4.0	0.0	39.9
1332	200.0	170.0	4.0	0.0	40.3
1333	210.0	170.0	4.0	0.0	40.6
1334	220.0	170.0	4.0	0.0	41.1
1335	230.0	170.0	4.0	0.0	41.5
1336	240.0	170.0	4.0	0.0	42.0
1337	250.0	170.0	4.0	0.0	42.6
1338	260.0	170.0	4.0	0.0	43.4
1339	270.0	170.0	4.0	0.0	44.3
1340	280.0	170.0	4.0	0.0	45.6
1341	290.0	170.0	4.0	0.0	47.6
1342	300.0	170.0	4.0	0.0	50.3

1343	310.0	170.0	4.0	0.0	53.1
1344	320.0	170.0	4.0	0.0	56.6
1345	330.0	170.0	4.0	0.0	54.6
1346	340.0	170.0	4.0	0.0	53.8
1347	350.0	170.0	4.0	0.0	53.9
1348	360.0	170.0	4.0	0.0	54.3
1349	370.0	170.0	4.0	0.0	54.6
1350	380.0	170.0	4.0	0.0	54.8
1351	390.0	170.0	4.0	0.0	54.9
1352	400.0	170.0	4.0	0.0	54.6
1353	410.0	170.0	4.0	0.0	56.3
1354	420.0	170.0	4.0	0.0	55.9
1355	430.0	170.0	4.0	0.0	52.9
1356	440.0	170.0	4.0	0.0	52.2
1357	450.0	170.0	4.0	0.0	51.4
1358	460.0	170.0	4.0	0.0	50.7
1359	470.0	170.0	4.0	0.0	49.9
1360	480.0	170.0	4.0	0.0	49.2
1361	490.0	170.0	4.0	0.0	48.5
1362	500.0	170.0	4.0	0.0	47.9
1363	510.0	170.0	4.0	0.0	47.3
1364	520.0	170.0	4.0	0.0	46.7
1365	530.0	170.0	4.0	0.0	46.1
1366	540.0	170.0	4.0	0.0	45.6
1367	550.0	170.0	4.0	0.0	35.9
1368	560.0	170.0	4.0	0.0	35.3
1369	0.0	160.0	4.0	0.0	37.7
1370	10.0	160.0	4.0	0.0	36.3
1371	20.0	160.0	4.0	0.0	36.6
1372	30.0	160.0	4.0	0.0	36.8
1373	40.0	160.0	4.0	0.0	37.0

1374	50.0	160.0	4.0	0.0	37.3
1375	60.0	160.0	4.0	0.0	37.5
1376	70.0	160.0	4.0	0.0	37.7
1377	80.0	160.0	4.0	0.0	37.9
1378	90.0	160.0	4.0	0.0	38.2
1379	100.0	160.0	4.0	0.0	38.4
1380	110.0	160.0	4.0	0.0	38.6
1381	120.0	160.0	4.0	0.0	38.8
1382	130.0	160.0	4.0	0.0	39.0
1383	140.0	160.0	4.0	0.0	39.2
1384	150.0	160.0	4.0	0.0	39.4
1385	160.0	160.0	4.0	0.0	39.7
1386	170.0	160.0	4.0	0.0	39.9
1387	180.0	160.0	4.0	0.0	40.2
1388	190.0	160.0	4.0	0.0	40.4
1389	200.0	160.0	4.0	0.0	40.7
1390	210.0	160.0	4.0	0.0	41.1
1391	220.0	160.0	4.0	0.0	41.5
1392	230.0	160.0	4.0	0.0	41.9
1393	240.0	160.0	4.0	0.0	42.3
1394	250.0	160.0	4.0	0.0	42.9
1395	260.0	160.0	4.0	0.0	43.5
1396	270.0	160.0	4.0	0.0	44.3
1397	280.0	160.0	4.0	0.0	45.3
1398	290.0	160.0	4.0	0.0	46.5
1399	300.0	160.0	4.0	0.0	47.8
1400	310.0	160.0	4.0	0.0	49.3
1401	320.0	160.0	4.0	0.0	51.5
1402	330.0	160.0	4.0	0.0	54.6
1403	340.0	160.0	4.0	0.0	57.0
1404	350.0	160.0	4.0	0.0	56.2

1405	360.0	160.0	4.0	0.0	55.9
1406	370.0	160.0	4.0	0.0	56.3
1407	380.0	160.0	4.0	0.0	56.6
1408	390.0	160.0	4.0	0.0	56.6
1409	400.0	160.0	4.0	0.0	56.2
1410	410.0	160.0	4.0	0.0	57.7
1411	420.0	160.0	4.0	0.0	57.2
1412	430.0	160.0	4.0	0.0	54.0
1413	440.0	160.0	4.0	0.0	53.1
1414	450.0	160.0	4.0	0.0	52.2
1415	460.0	160.0	4.0	0.0	51.3
1416	470.0	160.0	4.0	0.0	50.4
1417	480.0	160.0	4.0	0.0	49.6
1418	490.0	160.0	4.0	0.0	48.9
1419	500.0	160.0	4.0	0.0	48.2
1420	510.0	160.0	4.0	0.0	47.5
1421	520.0	160.0	4.0	0.0	37.5
1422	530.0	160.0	4.0	0.0	36.8
1423	540.0	160.0	4.0	0.0	36.2
1424	550.0	160.0	4.0	0.0	35.6
1425	560.0	160.0	4.0	0.0	35.1
1426	0.0	150.0	4.0	0.0	37.7
1427	10.0	150.0	4.0	0.0	37.9
1428	20.0	150.0	4.0	0.0	38.2
1429	30.0	150.0	4.0	0.0	38.4
1430	40.0	150.0	4.0	0.0	38.7
1431	50.0	150.0	4.0	0.0	39.0
1432	60.0	150.0	4.0	0.0	39.2
1433	70.0	150.0	4.0	0.0	39.5
1434	80.0	150.0	4.0	0.0	39.8
1435	90.0	150.0	4.0	0.0	38.5

1436	100.0	150.0	4.0	0.0	38.8
1437	110.0	150.0	4.0	0.0	39.1
1438	120.0	150.0	4.0	0.0	39.4
1439	130.0	150.0	4.0	0.0	39.6
1440	140.0	150.0	4.0	0.0	39.9
1441	150.0	150.0	4.0	0.0	40.2
1442	160.0	150.0	4.0	0.0	40.4
1443	170.0	150.0	4.0	0.0	40.7
1444	180.0	150.0	4.0	0.0	41.0
1445	190.0	150.0	4.0	0.0	41.2
1446	200.0	150.0	4.0	0.0	41.5
1447	210.0	150.0	4.0	0.0	41.8
1448	220.0	150.0	4.0	0.0	42.1
1449	230.0	150.0	4.0	0.0	42.5
1450	240.0	150.0	4.0	0.0	42.9
1451	250.0	150.0	4.0	0.0	43.3
1452	260.0	150.0	4.0	0.0	43.9
1453	270.0	150.0	4.0	0.0	44.5
1454	280.0	150.0	4.0	0.0	45.2
1455	290.0	150.0	4.0	0.0	46.1
1456	300.0	150.0	4.0	0.0	47.0
1457	310.0	150.0	4.0	0.0	48.0
1458	320.0	150.0	4.0	0.0	49.1
1459	330.0	150.0	4.0	0.0	51.1
1460	340.0	150.0	4.0	0.0	55.2
1461	350.0	150.0	4.0	0.0	56.9
1462	360.0	150.0	4.0	0.0	58.7
1463	370.0	150.0	4.0	0.0	58.9
1464	380.0	150.0	4.0	0.0	59.2
1465	390.0	150.0	4.0	0.0	59.7
1466	400.0	150.0	4.0	0.0	59.3

1467	410.0	150.0	4.0	0.0	59.3
1468	420.0	150.0	4.0	0.0	56.2
1469	430.0	150.0	4.0	0.0	55.1
1470	440.0	150.0	4.0	0.0	53.9
1471	450.0	150.0	4.0	0.0	52.9
1472	460.0	150.0	4.0	0.0	51.9
1473	470.0	150.0	4.0	0.0	50.9
1474	480.0	150.0	4.0	0.0	50.0
1475	490.0	150.0	4.0	0.0	49.2
1476	500.0	150.0	4.0	0.0	38.7
1477	510.0	150.0	4.0	0.0	37.9
1478	520.0	150.0	4.0	0.0	37.2
1479	530.0	150.0	4.0	0.0	36.5
1480	540.0	150.0	4.0	0.0	35.9
1481	550.0	150.0	4.0	0.0	35.4
1482	560.0	150.0	4.0	0.0	34.9
1483	0.0	140.0	4.0	0.0	37.7
1484	10.0	140.0	4.0	0.0	38.0
1485	20.0	140.0	4.0	0.0	38.2
1486	30.0	140.0	4.0	0.0	38.5
1487	40.0	140.0	4.0	0.0	38.7
1488	50.0	140.0	4.0	0.0	39.0
1489	60.0	140.0	4.0	0.0	39.3
1490	70.0	140.0	4.0	0.0	39.5
1491	80.0	140.0	4.0	0.0	39.8
1492	90.0	140.0	4.0	0.0	40.1
1493	100.0	140.0	4.0	0.0	40.4
1494	110.0	140.0	4.0	0.0	40.8
1495	120.0	140.0	4.0	0.0	41.1
1496	130.0	140.0	4.0	0.0	41.4
1497	140.0	140.0	4.0	0.0	41.8

1498	150.0	140.0	4.0	0.0	42.1
1499	160.0	140.0	4.0	0.0	42.5
1500	170.0	140.0	4.0	0.0	41.3
1501	180.0	140.0	4.0	0.0	41.7
1502	190.0	140.0	4.0	0.0	42.0
1503	200.0	140.0	4.0	0.0	42.4
1504	210.0	140.0	4.0	0.0	42.8
1505	220.0	140.0	4.0	0.0	43.1
1506	230.0	140.0	4.0	0.0	43.5
1507	240.0	140.0	4.0	0.0	43.8
1508	250.0	140.0	4.0	0.0	44.2
1509	260.0	140.0	4.0	0.0	44.6
1510	270.0	140.0	4.0	0.0	45.1
1511	280.0	140.0	4.0	0.0	45.7
1512	290.0	140.0	4.0	0.0	46.3
1513	300.0	140.0	4.0	0.0	47.0
1514	310.0	140.0	4.0	0.0	47.8
1515	320.0	140.0	4.0	0.0	48.8
1516	330.0	140.0	4.0	0.0	49.8
1517	340.0	140.0	4.0	0.0	51.4
1518	350.0	140.0	4.0	0.0	57.0
1519	360.0	140.0	4.0	0.0	58.8
1520	370.0	140.0	4.0	0.0	61.2
1521	380.0	140.0	4.0	0.0	61.9
1522	390.0	140.0	4.0	0.0	62.3
1523	400.0	140.0	4.0	0.0	61.6
1524	410.0	140.0	4.0	0.0	59.2
1525	420.0	140.0	4.0	0.0	57.6
1526	430.0	140.0	4.0	0.0	56.1
1527	440.0	140.0	4.0	0.0	54.7
1528	450.0	140.0	4.0	0.0	53.5

1529	460.0	140.0	4.0	0.0	52.3
1530	470.0	140.0	4.0	0.0	41.1
1531	480.0	140.0	4.0	0.0	40.1
1532	490.0	140.0	4.0	0.0	39.2
1533	500.0	140.0	4.0	0.0	38.3
1534	510.0	140.0	4.0	0.0	37.6
1535	520.0	140.0	4.0	0.0	36.9
1536	530.0	140.0	4.0	0.0	36.3
1537	540.0	140.0	4.0	0.0	35.7
1538	550.0	140.0	4.0	0.0	35.2
1539	560.0	140.0	4.0	0.0	34.7
1540	0.0	130.0	4.0	0.0	37.7
1541	10.0	130.0	4.0	0.0	38.0
1542	20.0	130.0	4.0	0.0	38.2
1543	30.0	130.0	4.0	0.0	38.5
1544	40.0	130.0	4.0	0.0	38.7
1545	50.0	130.0	4.0	0.0	39.0
1546	60.0	130.0	4.0	0.0	39.3
1547	70.0	130.0	4.0	0.0	39.6
1548	80.0	130.0	4.0	0.0	39.9
1549	90.0	130.0	4.0	0.0	40.2
1550	100.0	130.0	4.0	0.0	40.5
1551	110.0	130.0	4.0	0.0	40.8
1552	120.0	130.0	4.0	0.0	41.1
1553	130.0	130.0	4.0	0.0	41.5
1554	140.0	130.0	4.0	0.0	41.8
1555	150.0	130.0	4.0	0.0	42.2
1556	160.0	130.0	4.0	0.0	42.6
1557	170.0	130.0	4.0	0.0	43.0
1558	180.0	130.0	4.0	0.0	43.4
1559	190.0	130.0	4.0	0.0	43.8

1560	200.0	130.0	4.0	0.0	44.3
1561	210.0	130.0	4.0	0.0	44.8
1562	220.0	130.0	4.0	0.0	45.3
1563	230.0	130.0	4.0	0.0	45.9
1564	240.0	130.0	4.0	0.0	44.8
1565	250.0	130.0	4.0	0.0	45.3
1566	260.0	130.0	4.0	0.0	45.9
1567	270.0	130.0	4.0	0.0	46.5
1568	280.0	130.0	4.0	0.0	47.0
1569	290.0	130.0	4.0	0.0	47.5
1570	300.0	130.0	4.0	0.0	48.0
1571	310.0	130.0	4.0	0.0	48.6
1572	320.0	130.0	4.0	0.0	49.3
1573	330.0	130.0	4.0	0.0	50.2
1574	340.0	130.0	4.0	0.0	51.4
1575	350.0	130.0	4.0	0.0	53.0
1576	360.0	130.0	4.0	0.0	57.5
1577	370.0	130.0	4.0	0.0	62.7
1578	380.0	130.0	4.0	0.0	66.2
1580	400.0	130.0	4.0	0.0	64.3
1581	410.0	130.0	4.0	0.0	61.2
1582	420.0	130.0	4.0	0.0	58.9
1583	430.0	130.0	4.0	0.0	57.1
1584	440.0	130.0	4.0	0.0	44.7
1585	450.0	130.0	4.0	0.0	43.1
1586	460.0	130.0	4.0	0.0	41.9
1587	470.0	130.0	4.0	0.0	40.8
1588	480.0	130.0	4.0	0.0	39.8
1589	490.0	130.0	4.0	0.0	38.9
1590	500.0	130.0	4.0	0.0	38.1
1591	510.0	130.0	4.0	0.0	37.4

1592	520.0	130.0	4.0	0.0	36.7
1593	530.0	130.0	4.0	0.0	36.5
1594	540.0	130.0	4.0	0.0	35.8
1595	550.0	130.0	4.0	0.0	35.3
1596	560.0	130.0	4.0	0.0	34.8
1597	0.0	120.0	4.0	0.0	37.8
1598	10.0	120.0	4.0	0.0	38.0
1599	20.0	120.0	4.0	0.0	38.2
1600	30.0	120.0	4.0	0.0	38.5
1601	40.0	120.0	4.0	0.0	38.8
1602	50.0	120.0	4.0	0.0	39.0
1603	60.0	120.0	4.0	0.0	39.3
1604	70.0	120.0	4.0	0.0	39.6
1605	80.0	120.0	4.0	0.0	39.9
1606	90.0	120.0	4.0	0.0	40.2
1607	100.0	120.0	4.0	0.0	40.5
1608	110.0	120.0	4.0	0.0	40.8
1609	120.0	120.0	4.0	0.0	41.1
1610	130.0	120.0	4.0	0.0	41.5
1611	140.0	120.0	4.0	0.0	41.8
1612	150.0	120.0	4.0	0.0	42.2
1613	160.0	120.0	4.0	0.0	42.6
1614	170.0	120.0	4.0	0.0	43.0
1615	180.0	120.0	4.0	0.0	43.4
1616	190.0	120.0	4.0	0.0	43.8
1617	200.0	120.0	4.0	0.0	44.3
1618	210.0	120.0	4.0	0.0	44.8
1619	220.0	120.0	4.0	0.0	45.3
1620	230.0	120.0	4.0	0.0	45.9
1621	240.0	120.0	4.0	0.0	46.5
1622	250.0	120.0	4.0	0.0	47.1

1623	260.0	120.0	4.0	0.0	47.8
1624	270.0	120.0	4.0	0.0	48.6
1625	280.0	120.0	4.0	0.0	49.4
1626	290.0	120.0	4.0	0.0	50.2
1627	300.0	120.0	4.0	0.0	51.2
1628	310.0	120.0	4.0	0.0	52.3
1629	320.0	120.0	4.0	0.0	51.6
1630	330.0	120.0	4.0	0.0	52.6
1631	340.0	120.0	4.0	0.0	53.4
1632	350.0	120.0	4.0	0.0	54.4
1633	360.0	120.0	4.0	0.0	55.9
1634	370.0	120.0	4.0	0.0	59.6
1635	380.0	120.0	4.0	0.0	70.8
1636	390.0	120.0	4.0	0.0	74.0
1639	420.0	120.0	4.0	0.0	59.8
1640	430.0	120.0	4.0	0.0	45.8
1641	440.0	120.0	4.0	0.0	44.1
1642	450.0	120.0	4.0	0.0	42.7
1643	460.0	120.0	4.0	0.0	41.9
1644	470.0	120.0	4.0	0.0	40.8
1645	480.0	120.0	4.0	0.0	39.8
1646	490.0	120.0	4.0	0.0	49.8
1647	500.0	120.0	4.0	0.0	49.0
1648	510.0	120.0	4.0	0.0	48.2
1649	520.0	120.0	4.0	0.0	47.5
1650	530.0	120.0	4.0	0.0	46.8
1651	540.0	120.0	4.0	0.0	46.2
1652	550.0	120.0	4.0	0.0	45.6
1653	560.0	120.0	4.0	0.0	45.1
1654	0.0	110.0	4.0	0.0	37.8
1655	10.0	110.0	4.0	0.0	38.0

1656	20.0	110.0	4.0	0.0	38.3
1657	30.0	110.0	4.0	0.0	38.5
1658	40.0	110.0	4.0	0.0	38.8
1659	50.0	110.0	4.0	0.0	39.0
1660	60.0	110.0	4.0	0.0	39.3
1661	70.0	110.0	4.0	0.0	39.6
1662	80.0	110.0	4.0	0.0	39.9
1663	90.0	110.0	4.0	0.0	40.2
1664	100.0	110.0	4.0	0.0	40.5
1665	110.0	110.0	4.0	0.0	40.8
1666	120.0	110.0	4.0	0.0	41.1
1667	130.0	110.0	4.0	0.0	41.5
1668	140.0	110.0	4.0	0.0	41.8
1669	150.0	110.0	4.0	0.0	42.2
1670	160.0	110.0	4.0	0.0	42.6
1671	170.0	110.0	4.0	0.0	43.0
1672	180.0	110.0	4.0	0.0	43.4
1673	190.0	110.0	4.0	0.0	43.9
1674	200.0	110.0	4.0	0.0	44.3
1675	210.0	110.0	4.0	0.0	44.8
1676	220.0	110.0	4.0	0.0	45.3
1677	230.0	110.0	4.0	0.0	45.9
1678	240.0	110.0	4.0	0.0	46.5
1679	250.0	110.0	4.0	0.0	47.1
1680	260.0	110.0	4.0	0.0	47.8
1681	270.0	110.0	4.0	0.0	48.6
1682	280.0	110.0	4.0	0.0	49.4
1683	290.0	110.0	4.0	0.0	50.3
1684	300.0	110.0	4.0	0.0	51.2
1685	310.0	110.0	4.0	0.0	52.3
1686	320.0	110.0	4.0	0.0	53.5

1687	330.0	110.0	4.0	0.0	55.0
1688	340.0	110.0	4.0	0.0	56.6
1689	350.0	110.0	4.0	0.0	58.7
1690	360.0	110.0	4.0	0.0	61.2
1691	370.0	110.0	4.0	0.0	64.8
1692	380.0	110.0	4.0	0.0	70.3
1693	390.0	110.0	4.0	0.0	77.5
1694	400.0	110.0	4.0	0.0	68.1
1695	410.0	110.0	4.0	0.0	62.1
1696	420.0	110.0	4.0	0.0	57.8
1697	430.0	110.0	4.0	0.0	57.9
1698	440.0	110.0	4.0	0.0	56.0
1699	450.0	110.0	4.0	0.0	54.4
1700	460.0	110.0	4.0	0.0	53.0
1701	470.0	110.0	4.0	0.0	51.8
1702	480.0	110.0	4.0	0.0	50.8
1703	490.0	110.0	4.0	0.0	49.8
1704	500.0	110.0	4.0	0.0	49.0
1705	510.0	110.0	4.0	0.0	48.2
1706	520.0	110.0	4.0	0.0	47.5
1707	530.0	110.0	4.0	0.0	46.8
1708	540.0	110.0	4.0	0.0	46.2
1709	550.0	110.0	4.0	0.0	45.6
1710	560.0	110.0	4.0	0.0	45.1
1711	0.0	100.0	4.0	0.0	37.7
1712	10.0	100.0	4.0	0.0	38.0
1713	20.0	100.0	4.0	0.0	38.2
1714	30.0	100.0	4.0	0.0	38.5
1715	40.0	100.0	4.0	0.0	38.8
1716	50.0	100.0	4.0	0.0	39.0
1717	60.0	100.0	4.0	0.0	39.3

1718	70.0	100.0	4.0	0.0	39.6
1719	80.0	100.0	4.0	0.0	39.9
1720	90.0	100.0	4.0	0.0	40.2
1721	100.0	100.0	4.0	0.0	40.5
1722	110.0	100.0	4.0	0.0	40.8
1723	120.0	100.0	4.0	0.0	41.1
1724	130.0	100.0	4.0	0.0	41.5
1725	140.0	100.0	4.0	0.0	41.8
1726	150.0	100.0	4.0	0.0	42.2
1727	160.0	100.0	4.0	0.0	42.6
1728	170.0	100.0	4.0	0.0	43.0
1729	180.0	100.0	4.0	0.0	43.4
1730	190.0	100.0	4.0	0.0	43.8
1731	200.0	100.0	4.0	0.0	44.3
1732	210.0	100.0	4.0	0.0	44.8
1733	220.0	100.0	4.0	0.0	45.3
1734	230.0	100.0	4.0	0.0	45.9
1735	240.0	100.0	4.0	0.0	46.5
1736	250.0	100.0	4.0	0.0	47.1
1737	260.0	100.0	4.0	0.0	47.8
1738	270.0	100.0	4.0	0.0	48.5
1739	280.0	100.0	4.0	0.0	49.3
1740	290.0	100.0	4.0	0.0	50.2
1741	300.0	100.0	4.0	0.0	51.1
1742	310.0	100.0	4.0	0.0	52.2
1743	320.0	100.0	4.0	0.0	53.4
1744	330.0	100.0	4.0	0.0	54.8
1745	340.0	100.0	4.0	0.0	56.4
1746	350.0	100.0	4.0	0.0	58.4
1747	360.0	100.0	4.0	0.0	60.6
1749	380.0	100.0	4.0	0.0	68.2

1750	390.0	100.0	4.0	0.0	78.6
1751	400.0	100.0	4.0	0.0	67.7
1752	410.0	100.0	4.0	0.0	63.0
1753	420.0	100.0	4.0	0.0	59.9
1754	430.0	100.0	4.0	0.0	57.6
1755	440.0	100.0	4.0	0.0	55.8
1756	450.0	100.0	4.0	0.0	54.2
1757	460.0	100.0	4.0	0.0	52.9
1758	470.0	100.0	4.0	0.0	51.7
1759	480.0	100.0	4.0	0.0	50.7
1760	490.0	100.0	4.0	0.0	49.8
1761	500.0	100.0	4.0	0.0	49.0
1762	510.0	100.0	4.0	0.0	48.2
1763	520.0	100.0	4.0	0.0	47.5
1764	530.0	100.0	4.0	0.0	46.8
1765	540.0	100.0	4.0	0.0	46.2
1766	550.0	100.0	4.0	0.0	45.6
1767	560.0	100.0	4.0	0.0	45.1
1768	0.0	90.0	4.0	0.0	37.7
1769	10.0	90.0	4.0	0.0	38.0
1770	20.0	90.0	4.0	0.0	38.2
1771	30.0	90.0	4.0	0.0	38.5
1772	40.0	90.0	4.0	0.0	38.7
1773	50.0	90.0	4.0	0.0	39.0
1774	60.0	90.0	4.0	0.0	39.3
1775	70.0	90.0	4.0	0.0	39.6
1776	80.0	90.0	4.0	0.0	39.9
1777	90.0	90.0	4.0	0.0	40.2
1778	100.0	90.0	4.0	0.0	40.5
1779	110.0	90.0	4.0	0.0	40.8
1780	120.0	90.0	4.0	0.0	41.1

1781	130.0	90.0	4.0	0.0	41.5
1782	140.0	90.0	4.0	0.0	41.8
1783	150.0	90.0	4.0	0.0	42.2
1784	160.0	90.0	4.0	0.0	42.6
1785	170.0	90.0	4.0	0.0	42.9
1786	180.0	90.0	4.0	0.0	43.4
1787	190.0	90.0	4.0	0.0	43.8
1788	200.0	90.0	4.0	0.0	44.3
1789	210.0	90.0	4.0	0.0	44.7
1790	220.0	90.0	4.0	0.0	45.3
1791	230.0	90.0	4.0	0.0	45.8
1792	240.0	90.0	4.0	0.0	46.4
1793	250.0	90.0	4.0	0.0	47.0
1794	260.0	90.0	4.0	0.0	47.7
1795	270.0	90.0	4.0	0.0	48.4
1796	280.0	90.0	4.0	0.0	49.2
1797	290.0	90.0	4.0	0.0	50.0
1798	300.0	90.0	4.0	0.0	50.9
1799	310.0	90.0	4.0	0.0	52.0
1800	320.0	90.0	4.0	0.0	53.1
1801	330.0	90.0	4.0	0.0	54.4
1802	340.0	90.0	4.0	0.0	55.9
1803	350.0	90.0	4.0	0.0	57.6
1804	360.0	90.0	4.0	0.0	59.5
1805	370.0	90.0	4.0	0.0	61.8
1807	390.0	90.0	4.0	0.0	66.4
1808	400.0	90.0	4.0	0.0	64.2
1809	410.0	90.0	4.0	0.0	61.3
1810	420.0	90.0	4.0	0.0	58.9
1811	430.0	90.0	4.0	0.0	56.9
1812	440.0	90.0	4.0	0.0	55.3

1813	450.0	90.0	4.0	0.0	53.9
1814	460.0	90.0	4.0	0.0	52.6
1815	470.0	90.0	4.0	0.0	51.5
1816	480.0	90.0	4.0	0.0	50.6
1817	490.0	90.0	4.0	0.0	49.7
1818	500.0	90.0	4.0	0.0	48.8
1819	510.0	90.0	4.0	0.0	48.1
1820	520.0	90.0	4.0	0.0	47.4
1821	530.0	90.0	4.0	0.0	46.7
1822	540.0	90.0	4.0	0.0	46.1
1823	550.0	90.0	4.0	0.0	45.6
1824	560.0	90.0	4.0	0.0	45.0
1825	0.0	80.0	4.0	0.0	37.7
1826	10.0	80.0	4.0	0.0	38.0
1827	20.0	80.0	4.0	0.0	38.2
1828	30.0	80.0	4.0	0.0	38.5
1829	40.0	80.0	4.0	0.0	38.7
1830	50.0	80.0	4.0	0.0	39.0
1831	60.0	80.0	4.0	0.0	39.3
1832	70.0	80.0	4.0	0.0	39.5
1833	80.0	80.0	4.0	0.0	39.8
1834	90.0	80.0	4.0	0.0	40.1
1835	100.0	80.0	4.0	0.0	40.4
1836	110.0	80.0	4.0	0.0	40.8
1837	120.0	80.0	4.0	0.0	41.1
1838	130.0	80.0	4.0	0.0	41.4
1839	140.0	80.0	4.0	0.0	41.8
1840	150.0	80.0	4.0	0.0	42.1
1841	160.0	80.0	4.0	0.0	42.5
1842	170.0	80.0	4.0	0.0	42.9
1843	180.0	80.0	4.0	0.0	43.3

1844	190.0	80.0	4.0	0.0	43.7
1845	200.0	80.0	4.0	0.0	44.2
1846	210.0	80.0	4.0	0.0	44.7
1847	220.0	80.0	4.0	0.0	45.2
1848	230.0	80.0	4.0	0.0	45.7
1849	240.0	80.0	4.0	0.0	46.3
1850	250.0	80.0	4.0	0.0	46.9
1851	260.0	80.0	4.0	0.0	47.5
1852	270.0	80.0	4.0	0.0	48.2
1853	280.0	80.0	4.0	0.0	49.0
1854	290.0	80.0	4.0	0.0	49.8
1855	300.0	80.0	4.0	0.0	50.7
1856	310.0	80.0	4.0	0.0	51.6
1857	320.0	80.0	4.0	0.0	52.7
1858	330.0	80.0	4.0	0.0	53.8
1859	340.0	80.0	4.0	0.0	55.1
1860	350.0	80.0	4.0	0.0	56.5
1861	360.0	80.0	4.0	0.0	60.7
1862	370.0	80.0	4.0	0.0	61.7
1863	380.0	80.0	4.0	0.0	58.3
1864	390.0	80.0	4.0	0.0	61.5
1865	400.0	80.0	4.0	0.0	60.7
1866	410.0	80.0	4.0	0.0	59.2
1867	420.0	80.0	4.0	0.0	57.6
1868	430.0	80.0	4.0	0.0	56.0
1869	440.0	80.0	4.0	0.0	54.6
1870	450.0	80.0	4.0	0.0	53.4
1871	460.0	80.0	4.0	0.0	52.2
1872	470.0	80.0	4.0	0.0	51.2
1873	480.0	80.0	4.0	0.0	50.3
1874	490.0	80.0	4.0	0.0	49.5

1875	500.0	80.0	4.0	0.0	48.7
1876	510.0	80.0	4.0	0.0	47.9
1877	520.0	80.0	4.0	0.0	47.3
1878	530.0	80.0	4.0	0.0	46.6
1879	540.0	80.0	4.0	0.0	46.0
1880	550.0	80.0	4.0	0.0	45.5
1881	560.0	80.0	4.0	0.0	45.0
1882	0.0	70.0	4.0	0.0	37.7
1883	10.0	70.0	4.0	0.0	37.9
1884	20.0	70.0	4.0	0.0	38.2
1885	30.0	70.0	4.0	0.0	38.4
1886	40.0	70.0	4.0	0.0	38.7
1887	50.0	70.0	4.0	0.0	39.0
1888	60.0	70.0	4.0	0.0	39.2
1889	70.0	70.0	4.0	0.0	39.5
1890	80.0	70.0	4.0	0.0	39.8
1891	90.0	70.0	4.0	0.0	40.1
1892	100.0	70.0	4.0	0.0	40.4
1893	110.0	70.0	4.0	0.0	40.7
1894	120.0	70.0	4.0	0.0	41.0
1895	130.0	70.0	4.0	0.0	41.4
1896	140.0	70.0	4.0	0.0	41.7
1897	150.0	70.0	4.0	0.0	42.1
1898	160.0	70.0	4.0	0.0	42.5
1899	170.0	70.0	4.0	0.0	42.8
1900	180.0	70.0	4.0	0.0	43.2
1901	190.0	70.0	4.0	0.0	43.7
1902	200.0	70.0	4.0	0.0	44.1
1903	210.0	70.0	4.0	0.0	44.6
1904	220.0	70.0	4.0	0.0	45.1
1905	230.0	70.0	4.0	0.0	45.6

1906	240.0	70.0	4.0	0.0	46.1
1907	250.0	70.0	4.0	0.0	46.7
1908	260.0	70.0	4.0	0.0	47.3
1909	270.0	70.0	4.0	0.0	48.0
1910	280.0	70.0	4.0	0.0	48.7
1911	290.0	70.0	4.0	0.0	49.5
1912	300.0	70.0	4.0	0.0	50.3
1913	310.0	70.0	4.0	0.0	51.2
1914	320.0	70.0	4.0	0.0	52.1
1915	330.0	70.0	4.0	0.0	53.1
1916	340.0	70.0	4.0	0.0	57.0
1917	350.0	70.0	4.0	0.0	58.2
1918	360.0	70.0	4.0	0.0	56.4
1919	370.0	70.0	4.0	0.0	53.7
1920	380.0	70.0	4.0	0.0	56.6
1921	390.0	70.0	4.0	0.0	58.5
1922	400.0	70.0	4.0	0.0	58.1
1923	410.0	70.0	4.0	0.0	57.3
1924	420.0	70.0	4.0	0.0	56.0
1925	430.0	70.0	4.0	0.0	54.9
1926	440.0	70.0	4.0	0.0	53.8
1927	450.0	70.0	4.0	0.0	52.7
1928	460.0	70.0	4.0	0.0	51.7
1929	470.0	70.0	4.0	0.0	50.8
1930	480.0	70.0	4.0	0.0	50.0
1931	490.0	70.0	4.0	0.0	49.2
1932	500.0	70.0	4.0	0.0	48.4
1933	510.0	70.0	4.0	0.0	47.7
1934	520.0	70.0	4.0	0.0	47.1
1935	530.0	70.0	4.0	0.0	46.5
1936	540.0	70.0	4.0	0.0	45.9

1937	550.0	70.0	4.0	0.0	45.4
1938	560.0	70.0	4.0	0.0	44.9
1939	0.0	60.0	4.0	0.0	37.7
1940	10.0	60.0	4.0	0.0	37.9
1941	20.0	60.0	4.0	0.0	38.2
1942	30.0	60.0	4.0	0.0	38.4
1943	40.0	60.0	4.0	0.0	38.7
1944	50.0	60.0	4.0	0.0	38.9
1945	60.0	60.0	4.0	0.0	39.2
1946	70.0	60.0	4.0	0.0	39.5
1947	80.0	60.0	4.0	0.0	39.8
1948	90.0	60.0	4.0	0.0	40.1
1949	100.0	60.0	4.0	0.0	40.4
1950	110.0	60.0	4.0	0.0	40.7
1951	120.0	60.0	4.0	0.0	41.0
1952	130.0	60.0	4.0	0.0	41.3
1953	140.0	60.0	4.0	0.0	41.7
1954	150.0	60.0	4.0	0.0	42.0
1955	160.0	60.0	4.0	0.0	42.4
1956	170.0	60.0	4.0	0.0	42.7
1957	180.0	60.0	4.0	0.0	43.1
1958	190.0	60.0	4.0	0.0	43.6
1959	200.0	60.0	4.0	0.0	44.0
1960	210.0	60.0	4.0	0.0	44.4
1961	220.0	60.0	4.0	0.0	44.9
1962	230.0	60.0	4.0	0.0	45.4
1963	240.0	60.0	4.0	0.0	46.0
1964	250.0	60.0	4.0	0.0	46.5
1965	260.0	60.0	4.0	0.0	47.1
1966	270.0	60.0	4.0	0.0	47.8
1967	280.0	60.0	4.0	0.0	48.4

1968	290.0	60.0	4.0	0.0	49.1
1969	300.0	60.0	4.0	0.0	49.9
1970	310.0	60.0	4.0	0.0	50.7
1971	320.0	60.0	4.0	0.0	54.4
1972	330.0	60.0	4.0	0.0	55.3
1973	340.0	60.0	4.0	0.0	53.3
1974	350.0	60.0	4.0	0.0	54.1
1975	360.0	60.0	4.0	0.0	55.0
1976	370.0	60.0	4.0	0.0	44.6
1977	380.0	60.0	4.0	0.0	56.1
1978	390.0	60.0	4.0	0.0	56.2
1979	400.0	60.0	4.0	0.0	55.9
1980	410.0	60.0	4.0	0.0	55.4
1981	420.0	60.0	4.0	0.0	54.7
1982	430.0	60.0	4.0	0.0	53.8
1983	440.0	60.0	4.0	0.0	52.9
1984	450.0	60.0	4.0	0.0	52.0
1985	460.0	60.0	4.0	0.0	51.2
1986	470.0	60.0	4.0	0.0	50.3
1987	480.0	60.0	4.0	0.0	49.6
1988	490.0	60.0	4.0	0.0	48.8
1989	500.0	60.0	4.0	0.0	48.1
1990	510.0	60.0	4.0	0.0	47.5
1991	520.0	60.0	4.0	0.0	46.9
1992	530.0	60.0	4.0	0.0	46.3
1993	540.0	60.0	4.0	0.0	45.7
1994	550.0	60.0	4.0	0.0	45.2
1995	560.0	60.0	4.0	0.0	44.7
1996	0.0	50.0	4.0	0.0	37.6
1997	10.0	50.0	4.0	0.0	37.9
1998	20.0	50.0	4.0	0.0	38.1

1999	30.0	50.0	4.0	0.0	38.4
2000	40.0	50.0	4.0	0.0	38.6
2001	50.0	50.0	4.0	0.0	38.9
2002	60.0	50.0	4.0	0.0	39.1
2003	70.0	50.0	4.0	0.0	39.4
2004	80.0	50.0	4.0	0.0	39.7
2005	90.0	50.0	4.0	0.0	40.0
2006	100.0	50.0	4.0	0.0	40.3
2007	110.0	50.0	4.0	0.0	40.6
2008	120.0	50.0	4.0	0.0	40.9
2009	130.0	50.0	4.0	0.0	41.2
2010	140.0	50.0	4.0	0.0	41.6
2011	150.0	50.0	4.0	0.0	41.9
2012	160.0	50.0	4.0	0.0	42.3
2013	170.0	50.0	4.0	0.0	42.7
2014	180.0	50.0	4.0	0.0	43.0
2015	190.0	50.0	4.0	0.0	43.4
2016	200.0	50.0	4.0	0.0	43.9
2017	210.0	50.0	4.0	0.0	44.3
2018	220.0	50.0	4.0	0.0	44.8
2019	230.0	50.0	4.0	0.0	45.3
2020	240.0	50.0	4.0	0.0	45.8
2021	250.0	50.0	4.0	0.0	46.3
2022	260.0	50.0	4.0	0.0	46.9
2023	270.0	50.0	4.0	0.0	47.4
2024	280.0	50.0	4.0	0.0	48.1
2025	290.0	50.0	4.0	0.0	48.7
2026	300.0	50.0	4.0	0.0	52.3
2027	310.0	50.0	4.0	0.0	53.0
2028	320.0	50.0	4.0	0.0	50.9
2029	330.0	50.0	4.0	0.0	51.6

2030	340.0	50.0	4.0	0.0	52.3
2031	350.0	50.0	4.0	0.0	53.0
2032	360.0	50.0	4.0	0.0	53.7
2033	370.0	50.0	4.0	0.0	43.2
2034	380.0	50.0	4.0	0.0	54.5
2035	390.0	50.0	4.0	0.0	54.5
2036	400.0	50.0	4.0	0.0	54.4
2037	410.0	50.0	4.0	0.0	54.0
2038	420.0	50.0	4.0	0.0	53.4
2039	430.0	50.0	4.0	0.0	52.8
2040	440.0	50.0	4.0	0.0	52.0
2041	450.0	50.0	4.0	0.0	51.3
2042	460.0	50.0	4.0	0.0	50.6
2043	470.0	50.0	4.0	0.0	49.8
2044	480.0	50.0	4.0	0.0	49.1
2045	490.0	50.0	4.0	0.0	48.5
2046	500.0	50.0	4.0	0.0	47.8
2047	510.0	50.0	4.0	0.0	47.2
2048	520.0	50.0	4.0	0.0	46.6
2049	530.0	50.0	4.0	0.0	46.1
2050	540.0	50.0	4.0	0.0	45.5
2051	550.0	50.0	4.0	0.0	45.0
2052	560.0	50.0	4.0	0.0	44.6
2053	0.0	40.0	4.0	0.0	37.6
2054	10.0	40.0	4.0	0.0	37.8
2055	20.0	40.0	4.0	0.0	38.1
2056	30.0	40.0	4.0	0.0	38.3
2057	40.0	40.0	4.0	0.0	38.6
2058	50.0	40.0	4.0	0.0	38.8
2059	60.0	40.0	4.0	0.0	39.1
2060	70.0	40.0	4.0	0.0	39.4

2061	80.0	40.0	4.0	0.0	39.6
2062	90.0	40.0	4.0	0.0	39.9
2063	100.0	40.0	4.0	0.0	40.2
2064	110.0	40.0	4.0	0.0	40.5
2065	120.0	40.0	4.0	0.0	40.8
2066	130.0	40.0	4.0	0.0	41.2
2067	140.0	40.0	4.0	0.0	41.5
2068	150.0	40.0	4.0	0.0	41.8
2069	160.0	40.0	4.0	0.0	42.2
2070	170.0	40.0	4.0	0.0	42.5
2071	180.0	40.0	4.0	0.0	42.9
2072	190.0	40.0	4.0	0.0	43.3
2073	200.0	40.0	4.0	0.0	43.7
2074	210.0	40.0	4.0	0.0	44.1
2075	220.0	40.0	4.0	0.0	44.6
2076	230.0	40.0	4.0	0.0	45.0
2077	240.0	40.0	4.0	0.0	45.5
2078	250.0	40.0	4.0	0.0	46.0
2079	260.0	40.0	4.0	0.0	46.6
2080	270.0	40.0	4.0	0.0	47.1
2081	280.0	40.0	4.0	0.0	50.6
2082	290.0	40.0	4.0	0.0	51.2
2083	300.0	40.0	4.0	0.0	51.9
2084	310.0	40.0	4.0	0.0	49.5
2085	320.0	40.0	4.0	0.0	50.2
2086	330.0	40.0	4.0	0.0	50.8
2087	340.0	40.0	4.0	0.0	51.4
2088	350.0	40.0	4.0	0.0	52.0
2089	360.0	40.0	4.0	0.0	52.5
2090	370.0	40.0	4.0	0.0	52.9
2091	380.0	40.0	4.0	0.0	53.1

2092	390.0	40.0	4.0	0.0	53.1
2093	400.0	40.0	4.0	0.0	53.0
2094	410.0	40.0	4.0	0.0	52.7
2095	420.0	40.0	4.0	0.0	52.3
2096	430.0	40.0	4.0	0.0	51.8
2097	440.0	40.0	4.0	0.0	51.2
2098	450.0	40.0	4.0	0.0	50.6
2099	460.0	40.0	4.0	0.0	49.9
2100	470.0	40.0	4.0	0.0	49.3
2101	480.0	40.0	4.0	0.0	48.7
2102	490.0	40.0	4.0	0.0	48.1
2103	500.0	40.0	4.0	0.0	47.5
2104	510.0	40.0	4.0	0.0	46.9
2105	520.0	40.0	4.0	0.0	46.3
2106	530.0	40.0	4.0	0.0	45.8
2107	540.0	40.0	4.0	0.0	45.3
2108	550.0	40.0	4.0	0.0	44.8
2109	560.0	40.0	4.0	0.0	44.4
2110	0.0	30.0	4.0	0.0	37.5
2111	10.0	30.0	4.0	0.0	37.8
2112	20.0	30.0	4.0	0.0	38.0
2113	30.0	30.0	4.0	0.0	38.3
2114	40.0	30.0	4.0	0.0	38.5
2115	50.0	30.0	4.0	0.0	38.8
2116	60.0	30.0	4.0	0.0	39.0
2117	70.0	30.0	4.0	0.0	39.3
2118	80.0	30.0	4.0	0.0	39.6
2119	90.0	30.0	4.0	0.0	39.9
2120	100.0	30.0	4.0	0.0	40.1
2121	110.0	30.0	4.0	0.0	40.4
2122	120.0	30.0	4.0	0.0	40.7

2123	130.0	30.0	4.0	0.0	41.1
2124	140.0	30.0	4.0	0.0	41.4
2125	150.0	30.0	4.0	0.0	41.7
2126	160.0	30.0	4.0	0.0	42.1
2127	170.0	30.0	4.0	0.0	42.4
2128	180.0	30.0	4.0	0.0	42.8
2129	190.0	30.0	4.0	0.0	43.1
2130	200.0	30.0	4.0	0.0	43.5
2131	210.0	30.0	4.0	0.0	43.9
2132	220.0	30.0	4.0	0.0	44.4
2133	230.0	30.0	4.0	0.0	44.8
2134	240.0	30.0	4.0	0.0	45.3
2135	250.0	30.0	4.0	0.0	45.8
2136	260.0	30.0	4.0	0.0	49.2
2137	270.0	30.0	4.0	0.0	49.7
2138	280.0	30.0	4.0	0.0	50.3
2139	290.0	30.0	4.0	0.0	47.9
2140	300.0	30.0	4.0	0.0	48.4
2141	310.0	30.0	4.0	0.0	49.0
2142	320.0	30.0	4.0	0.0	49.5
2143	330.0	30.0	4.0	0.0	50.1
2144	340.0	30.0	4.0	0.0	50.6
2145	350.0	30.0	4.0	0.0	51.0
2146	360.0	30.0	4.0	0.0	41.4
2147	370.0	30.0	4.0	0.0	51.7
2148	380.0	30.0	4.0	0.0	51.9
2149	390.0	30.0	4.0	0.0	51.9
2150	400.0	30.0	4.0	0.0	51.9
2151	410.0	30.0	4.0	0.0	51.6
2152	420.0	30.0	4.0	0.0	51.3
2153	430.0	30.0	4.0	0.0	50.9

2154	440.0	30.0	4.0	0.0	50.4
2155	450.0	30.0	4.0	0.0	49.9
2156	460.0	30.0	4.0	0.0	49.3
2157	470.0	30.0	4.0	0.0	48.7
2158	480.0	30.0	4.0	0.0	48.2
2159	490.0	30.0	4.0	0.0	47.6
2160	500.0	30.0	4.0	0.0	47.1
2161	510.0	30.0	4.0	0.0	46.6
2162	520.0	30.0	4.0	0.0	46.0
2163	530.0	30.0	4.0	0.0	45.5
2164	540.0	30.0	4.0	0.0	45.1
2165	550.0	30.0	4.0	0.0	44.6
2166	560.0	30.0	4.0	0.0	44.2
2167	0.0	20.0	4.0	0.0	37.5
2168	10.0	20.0	4.0	0.0	37.7
2169	20.0	20.0	4.0	0.0	38.0
2170	30.0	20.0	4.0	0.0	38.2
2171	40.0	20.0	4.0	0.0	38.5
2172	50.0	20.0	4.0	0.0	38.7
2173	60.0	20.0	4.0	0.0	39.0
2174	70.0	20.0	4.0	0.0	39.2
2175	80.0	20.0	4.0	0.0	39.5
2176	90.0	20.0	4.0	0.0	39.8
2177	100.0	20.0	4.0	0.0	40.1
2178	110.0	20.0	4.0	0.0	40.4
2179	120.0	20.0	4.0	0.0	40.6
2180	130.0	20.0	4.0	0.0	41.0
2181	140.0	20.0	4.0	0.0	41.3
2182	150.0	20.0	4.0	0.0	41.6
2183	160.0	20.0	4.0	0.0	41.9
2184	170.0	20.0	4.0	0.0	42.3

2185	180.0	20.0	4.0	0.0	42.6
2186	190.0	20.0	4.0	0.0	43.0
2187	200.0	20.0	4.0	0.0	43.4
2188	210.0	20.0	4.0	0.0	43.7
2189	220.0	20.0	4.0	0.0	44.2
2190	230.0	20.0	4.0	0.0	44.6
2191	240.0	20.0	4.0	0.0	47.9
2192	250.0	20.0	4.0	0.0	48.4
2193	260.0	20.0	4.0	0.0	48.9
2194	270.0	20.0	4.0	0.0	46.5
2195	280.0	20.0	4.0	0.0	46.9
2196	290.0	20.0	4.0	0.0	47.4
2197	300.0	20.0	4.0	0.0	47.9
2198	310.0	20.0	4.0	0.0	48.4
2199	320.0	20.0	4.0	0.0	48.9
2200	330.0	20.0	4.0	0.0	49.3
2201	340.0	20.0	4.0	0.0	49.8
2202	350.0	20.0	4.0	0.0	50.1
2203	360.0	20.0	4.0	0.0	40.3
2204	370.0	20.0	4.0	0.0	50.7
2205	380.0	20.0	4.0	0.0	50.9
2206	390.0	20.0	4.0	0.0	50.9
2207	400.0	20.0	4.0	0.0	50.8
2208	410.0	20.0	4.0	0.0	50.6
2209	420.0	20.0	4.0	0.0	50.4
2210	430.0	20.0	4.0	0.0	50.0
2211	440.0	20.0	4.0	0.0	49.6
2212	450.0	20.0	4.0	0.0	49.2
2213	460.0	20.0	4.0	0.0	48.7
2214	470.0	20.0	4.0	0.0	48.2
2215	480.0	20.0	4.0	0.0	47.7

2216	490.0	20.0	4.0	0.0	47.2
2217	500.0	20.0	4.0	0.0	46.7
2218	510.0	20.0	4.0	0.0	46.2
2219	520.0	20.0	4.0	0.0	45.7
2220	530.0	20.0	4.0	0.0	45.3
2221	540.0	20.0	4.0	0.0	44.8
2222	550.0	20.0	4.0	0.0	44.4
2223	560.0	20.0	4.0	0.0	44.0
2224	0.0	10.0	4.0	0.0	37.4
2225	10.0	10.0	4.0	0.0	37.7
2226	20.0	10.0	4.0	0.0	37.9
2227	30.0	10.0	4.0	0.0	38.1
2228	40.0	10.0	4.0	0.0	38.4
2229	50.0	10.0	4.0	0.0	38.6
2230	60.0	10.0	4.0	0.0	38.9
2231	70.0	10.0	4.0	0.0	39.1
2232	80.0	10.0	4.0	0.0	39.4
2233	90.0	10.0	4.0	0.0	39.7
2234	100.0	10.0	4.0	0.0	40.0
2235	110.0	10.0	4.0	0.0	40.2
2236	120.0	10.0	4.0	0.0	40.5
2237	130.0	10.0	4.0	0.0	40.8
2238	140.0	10.0	4.0	0.0	41.1
2239	150.0	10.0	4.0	0.0	41.5
2240	160.0	10.0	4.0	0.0	41.8
2241	170.0	10.0	4.0	0.0	42.1
2242	180.0	10.0	4.0	0.0	42.4
2243	190.0	10.0	4.0	0.0	42.8
2244	200.0	10.0	4.0	0.0	43.2
2245	210.0	10.0	4.0	0.0	43.5
2246	220.0	10.0	4.0	0.0	46.8

2247	230.0	10.0	4.0	0.0	47.3
2248	240.0	10.0	4.0	0.0	47.7
2249	250.0	10.0	4.0	0.0	48.1
2250	260.0	10.0	4.0	0.0	45.6
2251	270.0	10.0	4.0	0.0	46.0
2252	280.0	10.0	4.0	0.0	46.5
2253	290.0	10.0	4.0	0.0	46.9
2254	300.0	10.0	4.0	0.0	47.4
2255	310.0	10.0	4.0	0.0	47.8
2256	320.0	10.0	4.0	0.0	48.2
2257	330.0	10.0	4.0	0.0	48.6
2258	340.0	10.0	4.0	0.0	49.0
2259	350.0	10.0	4.0	0.0	49.3
2260	360.0	10.0	4.0	0.0	39.7
2261	370.0	10.0	4.0	0.0	49.8
2262	380.0	10.0	4.0	0.0	49.9
2263	390.0	10.0	4.0	0.0	49.9
2264	400.0	10.0	4.0	0.0	49.9
2265	410.0	10.0	4.0	0.0	49.7
2266	420.0	10.0	4.0	0.0	49.5
2267	430.0	10.0	4.0	0.0	49.2
2268	440.0	10.0	4.0	0.0	48.9
2269	450.0	10.0	4.0	0.0	48.5
2270	460.0	10.0	4.0	0.0	48.1
2271	470.0	10.0	4.0	0.0	47.6
2272	480.0	10.0	4.0	0.0	47.2
2273	490.0	10.0	4.0	0.0	46.7
2274	500.0	10.0	4.0	0.0	46.3
2275	510.0	10.0	4.0	0.0	45.9
2276	520.0	10.0	4.0	0.0	45.4
2277	530.0	10.0	4.0	0.0	45.0

2278	540.0	10.0	4.0	0.0	44.5
2279	550.0	10.0	4.0	0.0	44.1
2280	560.0	10.0	4.0	0.0	43.7
2281	0.0	0.0	4.0	0.0	37.4
2282	10.0	0.0	4.0	0.0	37.6
2283	20.0	0.0	4.0	0.0	37.8
2284	30.0	0.0	4.0	0.0	38.1
2285	40.0	0.0	4.0	0.0	38.3
2286	50.0	0.0	4.0	0.0	38.6
2287	60.0	0.0	4.0	0.0	38.8
2288	70.0	0.0	4.0	0.0	39.0
2289	80.0	0.0	4.0	0.0	39.3
2290	90.0	0.0	4.0	0.0	39.6
2291	100.0	0.0	4.0	0.0	39.9
2292	110.0	0.0	4.0	0.0	40.1
2293	120.0	0.0	4.0	0.0	40.4
2294	130.0	0.0	4.0	0.0	40.7
2295	140.0	0.0	4.0	0.0	41.0
2296	150.0	0.0	4.0	0.0	41.3
2297	160.0	0.0	4.0	0.0	41.6
2298	170.0	0.0	4.0	0.0	42.0
2299	180.0	0.0	4.0	0.0	42.3
2300	190.0	0.0	4.0	0.0	42.6
2301	200.0	0.0	4.0	0.0	45.9
2302	210.0	0.0	4.0	0.0	46.3
2303	220.0	0.0	4.0	0.0	46.6
2304	230.0	0.0	4.0	0.0	47.0
2305	240.0	0.0	4.0	0.0	44.5
2306	250.0	0.0	4.0	0.0	44.8
2307	260.0	0.0	4.0	0.0	45.2
2308	270.0	0.0	4.0	0.0	45.6

2309	280.0	0.0	4.0	0.0	46.1
2310	290.0	0.0	4.0	0.0	46.5
2311	300.0	0.0	4.0	0.0	46.9
2312	310.0	0.0	4.0	0.0	47.3
2313	320.0	0.0	4.0	0.0	47.6
2314	330.0	0.0	4.0	0.0	48.0
2315	340.0	0.0	4.0	0.0	48.3
2316	350.0	0.0	4.0	0.0	39.0
2317	360.0	0.0	4.0	0.0	48.8
2318	370.0	0.0	4.0	0.0	49.0
2319	380.0	0.0	4.0	0.0	49.1
2320	390.0	0.0	4.0	0.0	49.1
2321	400.0	0.0	4.0	0.0	49.0
2322	410.0	0.0	4.0	0.0	48.9
2323	420.0	0.0	4.0	0.0	48.7
2324	430.0	0.0	4.0	0.0	48.5
2325	440.0	0.0	4.0	0.0	48.2
2326	450.0	0.0	4.0	0.0	47.8
2327	460.0	0.0	4.0	0.0	47.5
2328	470.0	0.0	4.0	0.0	47.1
2329	480.0	0.0	4.0	0.0	46.7
2330	490.0	0.0	4.0	0.0	46.3
2331	500.0	0.0	4.0	0.0	45.9
2332	510.0	0.0	4.0	0.0	45.5
2333	520.0	0.0	4.0	0.0	45.1
2334	530.0	0.0	4.0	0.0	44.7
2335	540.0	0.0	4.0	0.0	44.3
2336	550.0	0.0	4.0	0.0	43.9
2337	560.0	0.0	4.0	0.0	43.5
P1	84.6	112.4	1.5	0.0	35.6
P2	53.0	201.9	1.5	0.0	34.2

P3	191.3	321.0	1.5	0.0	36.2
P4	497.0	256.5	1.5	0.0	40.3

LAeq , dzień: wartość największa poza terenem zakładu występuje w punkcie (370,90,4.0)
i wynosi 61.8 dB(A)

Koniec obliczeń