

PRZEDSIĘWZIĘCIE POLEGAJĄCE NA ZASIEDLANIU INSTALACJI DO CHOWU I HODOWLI TRZODY CHLEWNEJ  
W CYKLU ZAMKNIĘTYM W SYSTEMIE RUSZTOWYM

PORA NOCY  
BEZ UWZGLĘDNIENIA TŁA AKUSTYCZNEGO

HAŁAS PRZEMYSŁOWY I DROGOWY  
PROGRAM SON2 WERSJA 3.2

DANE WEJŚCIOWE

Rodzaj obliczeń: Poziom hałas równonoważnego

- Nazwa projektu:  
Przedsięwzięcie polegające na zasiedleniu instalacji do chowu i hodowli trzody chlewnej w cyklu zamkniętym w systemie rusztowym
- Temperatura powietrza [st C.] = 10
- Wilgotność względna powietrza [%] = 70
- Tło akustyczne dB(A):  
Pora dnia : 0  
Pora nocy : 0
- Rodzaj gruntu : grunt twardy. wskaźnik gruntu G = 0
- Punktowe źródła hałasu

Lp	Symbol	współrzędne źródła			Rodzaj źródła	LAW	tN
		x	y	z			
		m				dB(A)	h
1	1	511.9	565.7	6.3	wszechkier.	77.7	1.0
2	2	509.9	560.1	6.3	wszechkier.	77.7	1.0
3	3	507.7	554.4	6.3	wszechkier.	77.7	1.0
4	4	505.7	548.4	6.3	wszechkier.	77.7	1.0
5	5	503.2	542.5	6.3	wszechkier.	71.5	1.0
6	6	501.3	536.1	6.3	wszechkier.	71.5	1.0
7	7	499.3	530.5	6.3	wszechkier.	71.5	1.0
8	8	497.3	525.3	6.3	wszechkier.	71.5	1.0
9	9	494.7	516.7	6.3	wszechkier.	71.5	1.0
10	10	491.5	507.3	6.3	wszechkier.	71.5	1.0
11	11	488.3	497.8	6.3	wszechkier.	71.5	1.0
12	12	484.7	488.3	6.3	wszechkier.	71.5	1.0
13	13	549.3	556.9	1.5	wszechkier.	89.4	1.0
14	14	555.3	551.4	6.3	wszechkier.	77.7	1.0
15	15	549.9	542.4	6.3	wszechkier.	77.7	1.0
16	16	548.1	531.2	6.3	wszechkier.	77.7	1.0
17	17	542.4	521.8	6.3	wszechkier.	77.7	1.0
18	18	541.0	510.9	6.3	wszechkier.	77.7	1.0
19	19	535.7	501.4	6.3	wszechkier.	77.7	1.0
20	20	533.8	490.6	6.3	wszechkier.	77.7	1.0
21	21	528.4	481.1	6.3	wszechkier.	77.7	1.0
22	22	525.9	475.5	6.3	wszechkier.	67.5	1.0
23	23	587.9	428.3	1.5	wszechkier.	89.4	1.0
24	24	593.3	426.1	6.5	wszechkier.	77.3	1.0
25	25	592.6	416.9	6.5	wszechkier.	77.3	1.0
26	26	587.9	409.0	6.5	wszechkier.	77.3	1.0
27	27	586.6	399.6	6.5	wszechkier.	77.3	1.0
28	28	582.3	391.8	6.5	wszechkier.	77.3	1.0
29	29	581.4	382.8	6.5	wszechkier.	77.3	1.0
30	30	576.9	375.0	6.5	wszechkier.	77.7	1.0
31	31	608.1	420.5	1.5	wszechkier.	89.4	1.0
32	32	614.0	418.6	6.5	wszechkier.	77.3	1.0
33	33	613.0	409.8	6.5	wszechkier.	77.3	1.0
34	34	608.4	402.0	6.5	wszechkier.	77.3	1.0
35	35	607.6	392.7	6.5	wszechkier.	77.3	1.0
36	36	602.8	384.9	6.5	wszechkier.	77.3	1.0
37	37	602.3	375.5	6.5	wszechkier.	77.3	1.0
38	38	597.6	367.8	6.5	wszechkier.	77.3	1.0
39	39	642.4	407.8	1.5	wszechkier.	89.4	1.0
40	40	649.2	407.9	6.5	wszechkier.	77.3	1.0
41	41	648.5	398.4	6.5	wszechkier.	77.3	1.0
42	42	643.2	390.6	6.5	wszechkier.	77.3	1.0
43	43	642.7	381.6	6.5	wszechkier.	77.3	1.0
44	44	638.7	373.7	6.5	wszechkier.	77.3	1.0
45	45	637.7	364.6	6.5	wszechkier.	77.3	1.0
46	46	633.1	356.4	6.5	wszechkier.	77.3	1.0
47	47	663.5	401.5	1.5	wszechkier.	89.4	1.0
48	48	670.9	401.0	6.5	wszechkier.	77.3	1.0
49	49	669.5	391.7	6.5	wszechkier.	77.3	1.0
50	50	665.4	384.3	6.5	wszechkier.	77.3	1.0
51	51	664.2	375.1	6.5	wszechkier.	77.3	1.0
52	52	659.9	367.4	6.5	wszechkier.	77.3	1.0
53	53	658.9	357.8	6.5	wszechkier.	77.3	1.0
54	54	654.3	350.3	6.5	wszechkier.	77.3	1.0
55	55	480.3	373.5	1.0	wszechkier.	81.9	1.0
56	56	480.0	370.5	2.0	wszechkier.	69.0	1.0

LAW - poziom mocy akustycznej źródła nominalny

tN - czas pracy źródła w przedziale 1 najmniej korzystnej godzinie

7. Źródła hałasu typu budynek

Lp	Symbol	współrzędne wierzchołków budynku [m]								ho	h1
		A(x1. y1)	B(x2. y2)	C(x3. y3)	D(x4. y4)						
1	1	507.7	572.5	521.9	567.5	491.7	482.3	477.6	487.3	0.0	5.6
2	2	549.9	558.6	563.8	553.7	533.7	468.8	519.8	473.7	0.0	5.6
3	3	589.3	432.8	601.2	429.1	582.6	369.2	570.7	372.9	0.0	6.2

4	4	609.8	425.9	621.7	422.2	603.1	362.3	591.2	366.0	0.0	6.2
5	5	644.5	414.6	656.3	410.9	638.0	351.6	626.1	355.3	0.0	6.2
6	6	665.5	407.9	677.5	404.1	659.2	345.0	647.1	348.8	0.0	6.2
7	7	561.8	402.2	574.5	398.2	567.7	375.5	554.7	379.5	0.0	6.5

#### 7.1 Opis ścian budynków

Lp	Budynek	wielkość	Jedn.	ściana AB	ściana BC	ściana CD	ściana DA	dach
1	1	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.30	78.10	81.30	78.10	77.50
		Izolacyjność	dB(A)	35.00	35.00	35.00	35.00	35.00
2	2	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.30	78.10	81.30	78.10	77.50
		Izolacyjność	dB(A)	35.00	35.00	35.00	35.00	35.00
3	3	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.70	78.40	81.70	78.40	77.80
		Izolacyjność	dB(A)	35.00	35.00	35.00	35.00	35.00
4	4	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.70	78.40	81.70	78.40	77.80
		Izolacyjność	dB(A)	35.00	35.00	35.00	35.00	35.00
5	5	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.70	78.40	81.70	78.40	77.80
		Izolacyjność	dB(A)	35.00	35.00	35.00	35.00	35.00
6	6	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.70	78.40	81.70	78.40	77.80
		Izolacyjność	dB(A)	35.00	35.00	35.00	35.00	35.00
7	7	wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L <sub>A</sub> w <sub>ew</sub> dzień		81.30	79.90	81.30	79.90	79.70
		Izolacyjność	dB(A)	30.00	30.00	30.00	30.00	30.00

L<sub>A</sub>w<sub>ew</sub> noc - poziom dźwięku A wewnątrz budynku w przedziale 1 najmniej korzystnych godzinie nocy

#### 8. Ekran - budynki

Lp	Symbol	x1	x2	współrzędne x.y		wierzchołków ekranu [m]			h <sub>0</sub>	h <sub>1</sub>	współczynniki odbicia ścian nr 1 - 4	
				x3	x4	y1	y2	y3	m	m		
1	1	557.6	577.7	574.5	554.5	470.0	462.9	453.9	461.0	0.0	4.0	1.0

#### 9 Punkty obserwacji

Lp	Symbol	współrzędne punktu			Poziom dźwięku w porze nocy
		x	y	z	dB(A)
		m	m	m	
1	1	302.6	640.5	4.0	31.4
2	2	349.4	627.0	4.0	33.0
3	3	397.3	612.9	4.0	35.1
4	4	445.0	598.9	4.0	37.5
5	5	492.4	582.0	4.0	44.2
6	6	540.2	566.7	4.0	44.2
7	7	565.1	560.4	4.0	42.1
8	8	563.8	556.7	4.0	41.3
9	9	583.2	550.6	4.0	42.2
10	10	630.9	535.6	4.0	40.3
11	11	678.6	520.6	4.0	40.2
12	12	726.3	505.6	4.0	38.6
13	13	773.9	490.5	4.0	36.6
14	14	830.0	472.8	4.0	35.1
15	15	803.4	441.5	4.0	37.0
16	16	771.0	403.4	4.0	38.1
17	17	738.6	365.3	4.0	39.4
18	18	706.3	327.2	4.0	40.5
19	19	665.5	279.1	4.0	39.3
20	20	630.1	289.9	4.0	41.4
21	21	582.2	304.5	4.0	40.8
22	22	534.4	319.1	4.0	40.2
23	23	486.6	333.6	4.0	41.1
24	24	420.6	353.7	4.0	38.0
25	25	411.6	324.1	4.0	36.4
26	26	389.2	249.5	4.0	33.5
27	27	320.2	270.6	4.0	32.1
28	28	272.4	285.2	4.0	31.1
29	29	213.2	303.4	4.0	29.9
30	30	222.9	340.1	4.0	30.4
31	31	235.6	388.5	4.0	31.0
32	32	254.5	460.2	4.0	31.6
33	33	327.2	438.2	4.0	34.1
34	34	375.0	423.7	4.0	35.7
35	35	437.6	404.8	4.0	39.6
36	36	447.3	438.1	4.0	39.6
37	37	458.9	477.9	4.0	40.8
38	38	402.9	494.9	4.0	36.8
39	39	354.6	509.6	4.0	35.3
40	40	307.2	523.9	4.0	33.3
41	41	273.7	534.0	4.0	32.1
42	42	289.9	596.9	4.0	31.9
43	43	122.6	149.2	4.0	27.0
44	44	67.1	92.6	4.0	25.8
45	45	44.7	61.0	4.0	25.2
46	46	55.9	41.9	4.0	25.3

47	47	77.7	13.6	4.0	25.2
48	48	98.9	45.4	4.0	25.8
49	49	120.6	70.4	4.0	26.3
50	50	249.4	31.0	4.0	27.6

koniec danych

Poziom hałas w sieci  
LAeq . pory nocy

Nr punktu	współrzędne punktów			Poziom dźwięku w porze nocy dB(A)
	x m	y m	z m	
1	0.00	0.00	4.0	24.26
2	0.00	25.00	4.0	24.42
3	0.00	50.00	4.0	24.61
4	0.00	75.00	4.0	24.76
5	0.00	100.00	4.0	24.95
6	0.00	125.00	4.0	25.13
7	0.00	150.00	4.0	25.28
8	0.00	175.00	4.0	25.40
9	0.00	200.00	4.0	25.54
10	0.00	225.00	4.0	25.60
11	0.00	250.00	4.0	25.74
12	0.00	275.00	4.0	25.82
13	0.00	300.00	4.0	25.91
14	0.00	325.00	4.0	26.03
15	0.00	350.00	4.0	26.05
16	0.00	375.00	4.0	26.13
17	0.00	400.00	4.0	26.09
18	0.00	425.00	4.0	26.12
19	0.00	450.00	4.0	26.15
20	0.00	475.00	4.0	26.14
21	0.00	500.00	4.0	26.13
22	0.00	525.00	4.0	26.09
23	0.00	550.00	4.0	26.01
24	0.00	575.00	4.0	25.93
25	0.00	600.00	4.0	25.82
26	0.00	625.00	4.0	25.75
27	0.00	650.00	4.0	25.65
28	0.00	675.00	4.0	25.62
29	0.00	700.00	4.0	25.56
30	0.00	725.00	4.0	25.48
31	0.00	750.00	4.0	25.38
32	25.00	0.00	4.0	24.54
33	25.00	25.00	4.0	24.71
34	25.00	50.00	4.0	24.91
35	25.00	75.00	4.0	25.11
36	25.00	100.00	4.0	25.27
37	25.00	125.00	4.0	25.44
38	25.00	150.00	4.0	25.61
39	25.00	175.00	4.0	25.77
40	25.00	200.00	4.0	25.89
41	25.00	225.00	4.0	26.01
42	25.00	250.00	4.0	26.14
43	25.00	275.00	4.0	26.22
44	25.00	300.00	4.0	26.32
45	25.00	325.00	4.0	26.44
46	25.00	350.00	4.0	26.48
47	25.00	375.00	4.0	26.57
48	25.00	400.00	4.0	26.53
49	25.00	425.00	4.0	26.55
50	25.00	450.00	4.0	26.59
51	25.00	475.00	4.0	26.57
52	25.00	500.00	4.0	26.57
53	25.00	525.00	4.0	26.50
54	25.00	550.00	4.0	26.44
55	25.00	575.00	4.0	26.34
56	25.00	600.00	4.0	26.24
57	25.00	625.00	4.0	26.16
58	25.00	650.00	4.0	26.05
59	25.00	675.00	4.0	25.96
60	25.00	700.00	4.0	25.85
61	25.00	725.00	4.0	25.72
62	25.00	750.00	4.0	25.60
63	50.00	0.00	4.0	24.79
64	50.00	25.00	4.0	25.04
65	50.00	50.00	4.0	25.22
66	50.00	75.00	4.0	25.43
67	50.00	100.00	4.0	25.56
68	50.00	125.00	4.0	25.75
69	50.00	150.00	4.0	25.93
70	50.00	175.00	4.0	26.08
71	50.00	200.00	4.0	26.23
72	50.00	225.00	4.0	26.39
73	50.00	250.00	4.0	26.53
74	50.00	275.00	4.0	26.64
75	50.00	300.00	4.0	26.74
76	50.00	325.00	4.0	26.84
77	50.00	350.00	4.0	26.91
78	50.00	375.00	4.0	27.02
79	50.00	400.00	4.0	26.98
80	50.00	425.00	4.0	27.03
81	50.00	450.00	4.0	27.03
82	50.00	475.00	4.0	27.05
83	50.00	500.00	4.0	27.02

84	50.00	525.00	4.0	26.95
85	50.00	550.00	4.0	26.88
86	50.00	575.00	4.0	26.78
87	50.00	600.00	4.0	26.70
88	50.00	625.00	4.0	26.59
89	50.00	650.00	4.0	26.51
90	50.00	675.00	4.0	26.36
91	50.00	700.00	4.0	26.23
92	50.00	725.00	4.0	26.09
93	50.00	750.00	4.0	25.91
94	75.00	0.00	4.0	25.11
95	75.00	25.00	4.0	25.31
96	75.00	50.00	4.0	25.56
97	75.00	75.00	4.0	25.75
98	75.00	100.00	4.0	25.92
99	75.00	125.00	4.0	26.08
100	75.00	150.00	4.0	26.27
101	75.00	175.00	4.0	26.42
102	75.00	200.00	4.0	26.59
103	75.00	225.00	4.0	26.75
104	75.00	250.00	4.0	26.88
105	75.00	275.00	4.0	27.03
106	75.00	300.00	4.0	27.15
107	75.00	325.00	4.0	27.25
108	75.00	350.00	4.0	27.37
109	75.00	375.00	4.0	27.48
110	75.00	400.00	4.0	27.45
111	75.00	425.00	4.0	27.48
112	75.00	450.00	4.0	27.50
113	75.00	475.00	4.0	27.53
114	75.00	500.00	4.0	27.50
115	75.00	525.00	4.0	27.39
116	75.00	550.00	4.0	27.34
117	75.00	575.00	4.0	27.24
118	75.00	600.00	4.0	27.15
119	75.00	625.00	4.0	27.03
120	75.00	650.00	4.0	26.95
121	75.00	675.00	4.0	26.81
122	75.00	700.00	4.0	26.64
123	75.00	725.00	4.0	26.48
124	75.00	750.00	4.0	26.28
125	100.00	0.00	4.0	25.40
126	100.00	25.00	4.0	25.61
127	100.00	50.00	4.0	25.85
128	100.00	75.00	4.0	26.09
129	100.00	100.00	4.0	26.25
130	100.00	125.00	4.0	26.45
131	100.00	150.00	4.0	26.63
132	100.00	175.00	4.0	26.74
133	100.00	200.00	4.0	26.96
134	100.00	225.00	4.0	27.11
135	100.00	250.00	4.0	27.28
136	100.00	275.00	4.0	27.44
137	100.00	300.00	4.0	27.55
138	100.00	325.00	4.0	27.68
139	100.00	350.00	4.0	27.81
140	100.00	375.00	4.0	27.86
141	100.00	400.00	4.0	27.88
142	100.00	425.00	4.0	27.90
143	100.00	450.00	4.0	27.94
144	100.00	475.00	4.0	27.99
145	100.00	500.00	4.0	27.95
146	100.00	525.00	4.0	27.92
147	100.00	550.00	4.0	27.82
148	100.00	575.00	4.0	27.72
149	100.00	600.00	4.0	27.63
150	100.00	625.00	4.0	27.53
151	100.00	650.00	4.0	27.40
152	100.00	675.00	4.0	27.24
153	100.00	700.00	4.0	27.06
154	100.00	725.00	4.0	26.87
155	100.00	750.00	4.0	26.69
156	125.00	0.00	4.0	25.69
157	125.00	25.00	4.0	25.95
158	125.00	50.00	4.0	26.17
159	125.00	75.00	4.0	26.45
160	125.00	100.00	4.0	26.64
161	125.00	125.00	4.0	26.84
162	125.00	150.00	4.0	27.02
163	125.00	175.00	4.0	27.19
164	125.00	200.00	4.0	27.38
165	125.00	225.00	4.0	27.52
166	125.00	250.00	4.0	27.70
167	125.00	275.00	4.0	27.88
168	125.00	300.00	4.0	28.01
169	125.00	325.00	4.0	28.14
170	125.00	350.00	4.0	28.27
171	125.00	375.00	4.0	28.34
172	125.00	400.00	4.0	28.34
173	125.00	425.00	4.0	28.36
174	125.00	450.00	4.0	28.41
175	125.00	475.00	4.0	28.39
176	125.00	500.00	4.0	28.31
177	125.00	525.00	4.0	28.29
178	125.00	550.00	4.0	28.24
179	125.00	575.00	4.0	28.21
180	125.00	600.00	4.0	28.13
181	125.00	625.00	4.0	28.04
182	125.00	650.00	4.0	27.89
183	125.00	675.00	4.0	27.70

184	125.00	700.00	4.0	27.52
185	125.00	725.00	4.0	27.32
186	125.00	750.00	4.0	27.09
187	150.00	0.00	4.0	25.98
188	150.00	25.00	4.0	26.25
189	150.00	50.00	4.0	26.52
190	150.00	75.00	4.0	26.76
191	150.00	100.00	4.0	27.06
192	150.00	125.00	4.0	27.22
193	150.00	150.00	4.0	27.46
194	150.00	175.00	4.0	27.63
195	150.00	200.00	4.0	27.79
196	150.00	225.00	4.0	27.96
197	150.00	250.00	4.0	28.15
198	150.00	275.00	4.0	28.32
199	150.00	300.00	4.0	28.49
200	150.00	325.00	4.0	28.64
201	150.00	350.00	4.0	28.75
202	150.00	375.00	4.0	28.86
203	150.00	400.00	4.0	28.88
204	150.00	425.00	4.0	28.90
205	150.00	450.00	4.0	28.95
206	150.00	475.00	4.0	28.92
207	150.00	500.00	4.0	28.85
208	150.00	525.00	4.0	28.78
209	150.00	550.00	4.0	28.67
210	150.00	575.00	4.0	28.56
211	150.00	600.00	4.0	28.50
212	150.00	625.00	4.0	28.46
213	150.00	650.00	4.0	28.28
214	150.00	675.00	4.0	28.13
215	150.00	700.00	4.0	27.97
216	150.00	725.00	4.0	27.75
217	150.00	750.00	4.0	27.54
218	175.00	0.00	4.0	26.31
219	175.00	25.00	4.0	26.57
220	175.00	50.00	4.0	26.85
221	175.00	75.00	4.0	27.13
222	175.00	100.00	4.0	27.39
223	175.00	125.00	4.0	27.64
224	175.00	150.00	4.0	27.87
225	175.00	175.00	4.0	28.06
226	175.00	200.00	4.0	28.27
227	175.00	225.00	4.0	28.44
228	175.00	250.00	4.0	28.65
229	175.00	275.00	4.0	28.80
230	175.00	300.00	4.0	28.99
231	175.00	325.00	4.0	29.18
232	175.00	350.00	4.0	29.29
233	175.00	375.00	4.0	29.41
234	175.00	400.00	4.0	29.45
235	175.00	425.00	4.0	29.48
236	175.00	450.00	4.0	29.54
237	175.00	475.00	4.0	29.51
238	175.00	500.00	4.0	29.45
239	175.00	525.00	4.0	29.35
240	175.00	550.00	4.0	29.25
241	175.00	575.00	4.0	29.13
242	175.00	600.00	4.0	29.02
243	175.00	625.00	4.0	28.87
244	175.00	650.00	4.0	28.66
245	175.00	675.00	4.0	28.47
246	175.00	700.00	4.0	28.31
247	175.00	725.00	4.0	28.05
248	175.00	750.00	4.0	27.89
249	200.00	0.00	4.0	26.61
250	200.00	25.00	4.0	26.91
251	200.00	50.00	4.0	27.17
252	200.00	75.00	4.0	27.45
253	200.00	100.00	4.0	27.72
254	200.00	125.00	4.0	28.01
255	200.00	150.00	4.0	28.26
256	200.00	175.00	4.0	28.53
257	200.00	200.00	4.0	28.73
258	200.00	225.00	4.0	28.93
259	200.00	250.00	4.0	29.16
260	200.00	275.00	4.0	29.39
261	200.00	300.00	4.0	29.54
262	200.00	325.00	4.0	29.75
263	200.00	350.00	4.0	29.89
264	200.00	375.00	4.0	30.01
265	200.00	400.00	4.0	30.04
266	200.00	425.00	4.0	30.10
267	200.00	450.00	4.0	30.16
268	200.00	475.00	4.0	30.09
269	200.00	500.00	4.0	30.07
270	200.00	525.00	4.0	29.97
271	200.00	550.00	4.0	29.87
272	200.00	575.00	4.0	29.76
273	200.00	600.00	4.0	29.64
274	200.00	625.00	4.0	29.38
275	200.00	650.00	4.0	29.13
276	200.00	675.00	4.0	28.86
277	200.00	700.00	4.0	28.60
278	200.00	725.00	4.0	28.43
279	200.00	750.00	4.0	28.15
280	225.00	0.00	4.0	26.91
281	225.00	25.00	4.0	27.22
282	225.00	50.00	4.0	27.52
283	225.00	75.00	4.0	27.80

284	225.00	100.00	4.0	28.11
285	225.00	125.00	4.0	28.38
286	225.00	150.00	4.0	28.69
287	225.00	175.00	4.0	28.96
288	225.00	200.00	4.0	29.18
289	225.00	225.00	4.0	29.46
290	225.00	250.00	4.0	29.68
291	225.00	275.00	4.0	29.92
292	225.00	300.00	4.0	30.12
293	225.00	325.00	4.0	30.35
294	225.00	350.00	4.0	30.48
295	225.00	375.00	4.0	30.66
296	225.00	400.00	4.0	30.67
297	225.00	425.00	4.0	30.76
298	225.00	450.00	4.0	30.83
299	225.00	475.00	4.0	30.78
300	225.00	500.00	4.0	30.73
301	225.00	525.00	4.0	30.64
302	225.00	550.00	4.0	30.53
303	225.00	575.00	4.0	30.40
304	225.00	600.00	4.0	30.26
305	225.00	625.00	4.0	29.96
306	225.00	650.00	4.0	29.68
307	225.00	675.00	4.0	29.37
308	225.00	700.00	4.0	29.09
309	225.00	725.00	4.0	28.75
310	225.00	750.00	4.0	28.43
311	250.00	0.00	4.0	27.24
312	250.00	25.00	4.0	27.54
313	250.00	50.00	4.0	27.84
314	250.00	75.00	4.0	28.17
315	250.00	100.00	4.0	28.48
316	250.00	125.00	4.0	28.79
317	250.00	150.00	4.0	29.10
318	250.00	175.00	4.0	29.39
319	250.00	200.00	4.0	29.70
320	250.00	225.00	4.0	29.95
321	250.00	250.00	4.0	30.17
322	250.00	275.00	4.0	30.47
323	250.00	300.00	4.0	30.68
324	250.00	325.00	4.0	30.98
325	250.00	350.00	4.0	31.14
326	250.00	375.00	4.0	31.34
327	250.00	400.00	4.0	31.37
328	250.00	425.00	4.0	31.47
329	250.00	450.00	4.0	31.53
330	250.00	475.00	4.0	31.52
331	250.00	500.00	4.0	31.44
332	250.00	525.00	4.0	31.36
333	250.00	550.00	4.0	31.23
334	250.00	575.00	4.0	31.10
335	250.00	600.00	4.0	30.87
336	250.00	625.00	4.0	30.50
337	250.00	650.00	4.0	30.17
338	250.00	675.00	4.0	29.96
339	250.00	700.00	4.0	29.60
340	250.00	725.00	4.0	29.22
341	250.00	750.00	4.0	28.83
342	275.00	0.00	4.0	27.57
343	275.00	25.00	4.0	27.89
344	275.00	50.00	4.0	28.15
345	275.00	75.00	4.0	28.50
346	275.00	100.00	4.0	28.86
347	275.00	125.00	4.0	29.16
348	275.00	150.00	4.0	29.55
349	275.00	175.00	4.0	29.87
350	275.00	200.00	4.0	30.18
351	275.00	225.00	4.0	30.46
352	275.00	250.00	4.0	30.72
353	275.00	275.00	4.0	31.06
354	275.00	300.00	4.0	31.29
355	275.00	325.00	4.0	31.59
356	275.00	350.00	4.0	31.84
357	275.00	375.00	4.0	32.05
358	275.00	400.00	4.0	32.11
359	275.00	425.00	4.0	32.23
360	275.00	450.00	4.0	32.29
361	275.00	475.00	4.0	32.29
362	275.00	500.00	4.0	32.23
363	275.00	525.00	4.0	32.14
364	275.00	550.00	4.0	32.03
365	275.00	575.00	4.0	31.87
366	275.00	600.00	4.0	31.50
367	275.00	625.00	4.0	31.13
368	275.00	650.00	4.0	30.75
369	275.00	675.00	4.0	30.28
370	275.00	700.00	4.0	29.88
371	275.00	725.00	4.0	29.59
372	275.00	750.00	4.0	29.28
373	300.00	0.00	4.0	27.88
374	300.00	25.00	4.0	28.22
375	300.00	50.00	4.0	28.54
376	300.00	75.00	4.0	28.90
377	300.00	100.00	4.0	29.22
378	300.00	125.00	4.0	29.57
379	300.00	150.00	4.0	29.96
380	300.00	175.00	4.0	30.31
381	300.00	200.00	4.0	30.69
382	300.00	225.00	4.0	31.05
383	300.00	250.00	4.0	31.35

384	300.00	275.00	4.0	31.66
385	300.00	300.00	4.0	31.99
386	300.00	325.00	4.0	32.31
387	300.00	350.00	4.0	32.60
388	300.00	375.00	4.0	32.83
389	300.00	400.00	4.0	32.92
390	300.00	425.00	4.0	33.06
391	300.00	450.00	4.0	33.10
392	300.00	475.00	4.0	33.13
393	300.00	500.00	4.0	33.08
394	300.00	525.00	4.0	32.99
395	300.00	550.00	4.0	32.86
396	300.00	575.00	4.0	32.63
397	300.00	600.00	4.0	32.17
398	300.00	625.00	4.0	31.67
399	300.00	650.00	4.0	31.11
400	300.00	675.00	4.0	30.70
401	300.00	700.00	4.0	30.38
402	300.00	725.00	4.0	29.90
403	300.00	750.00	4.0	29.45
404	325.00	0.00	4.0	28.19
405	325.00	25.00	4.0	28.52
406	325.00	50.00	4.0	28.90
407	325.00	75.00	4.0	29.26
408	325.00	100.00	4.0	29.59
409	325.00	125.00	4.0	29.98
410	325.00	150.00	4.0	30.40
411	325.00	175.00	4.0	30.76
412	325.00	200.00	4.0	31.20
413	325.00	225.00	4.0	31.63
414	325.00	250.00	4.0	31.94
415	325.00	275.00	4.0	32.33
416	325.00	300.00	4.0	32.73
417	325.00	325.00	4.0	33.06
418	325.00	350.00	4.0	33.42
419	325.00	375.00	4.0	33.66
420	325.00	400.00	4.0	33.78
421	325.00	425.00	4.0	33.95
422	325.00	450.00	4.0	34.03
423	325.00	475.00	4.0	34.06
424	325.00	500.00	4.0	34.02
425	325.00	525.00	4.0	33.95
426	325.00	550.00	4.0	33.79
427	325.00	575.00	4.0	33.41
428	325.00	600.00	4.0	32.88
429	325.00	625.00	4.0	32.34
430	325.00	650.00	4.0	31.75
431	325.00	675.00	4.0	31.21
432	325.00	700.00	4.0	30.68
433	325.00	725.00	4.0	30.19
434	325.00	750.00	4.0	29.80
435	350.00	0.00	4.0	28.55
436	350.00	25.00	4.0	28.82
437	350.00	50.00	4.0	29.23
438	350.00	75.00	4.0	29.62
439	350.00	100.00	4.0	29.99
440	350.00	125.00	4.0	30.41
441	350.00	150.00	4.0	30.75
442	350.00	175.00	4.0	31.18
443	350.00	200.00	4.0	31.68
444	350.00	225.00	4.0	32.12
445	350.00	250.00	4.0	32.64
446	350.00	275.00	4.0	33.03
447	350.00	300.00	4.0	33.46
448	350.00	325.00	4.0	33.91
449	350.00	350.00	4.0	34.27
450	350.00	375.00	4.0	34.56
451	350.00	400.00	4.0	34.69
452	350.00	425.00	4.0	34.77
453	350.00	450.00	4.0	34.81
454	350.00	475.00	4.0	34.97
455	350.00	500.00	4.0	35.07
456	350.00	525.00	4.0	35.00
457	350.00	550.00	4.0	34.80
458	350.00	575.00	4.0	34.29
459	350.00	600.00	4.0	33.73
460	350.00	625.00	4.0	33.09
461	350.00	650.00	4.0	32.48
462	350.00	675.00	4.0	31.87
463	350.00	700.00	4.0	31.25
464	350.00	725.00	4.0	30.65
465	350.00	750.00	4.0	30.07
466	375.00	0.00	4.0	28.81
467	375.00	25.00	4.0	29.24
468	375.00	50.00	4.0	29.66
469	375.00	75.00	4.0	30.00
470	375.00	100.00	4.0	30.40
471	375.00	125.00	4.0	30.87
472	375.00	150.00	4.0	31.23
473	375.00	175.00	4.0	31.69
474	375.00	200.00	4.0	32.17
475	375.00	225.00	4.0	32.61
476	375.00	250.00	4.0	33.19
477	375.00	275.00	4.0	33.75
478	375.00	300.00	4.0	34.26
479	375.00	325.00	4.0	34.86
480	375.00	350.00	4.0	35.30
481	375.00	375.00	4.0	35.63
482	375.00	400.00	4.0	35.68
483	375.00	425.00	4.0	35.69

484	375.00	450.00	4.0	35.66
485	375.00	475.00	4.0	35.67
486	375.00	500.00	4.0	35.56
487	375.00	525.00	4.0	35.36
488	375.00	550.00	4.0	35.61
489	375.00	575.00	4.0	35.30
490	375.00	600.00	4.0	34.64
491	375.00	625.00	4.0	33.97
492	375.00	650.00	4.0	33.27
493	375.00	675.00	4.0	32.56
494	375.00	700.00	4.0	31.84
495	375.00	725.00	4.0	31.15
496	375.00	750.00	4.0	30.50
497	400.00	0.00	4.0	29.11
498	400.00	25.00	4.0	29.55
499	400.00	50.00	4.0	29.98
500	400.00	75.00	4.0	30.44
501	400.00	100.00	4.0	30.85
502	400.00	125.00	4.0	31.30
503	400.00	150.00	4.0	31.75
504	400.00	175.00	4.0	32.22
505	400.00	200.00	4.0	32.68
506	400.00	225.00	4.0	33.19
507	400.00	250.00	4.0	33.83
508	400.00	275.00	4.0	34.45
509	400.00	300.00	4.0	35.15
510	400.00	325.00	4.0	35.93
511	400.00	350.00	4.0	36.58
512	400.00	375.00	4.0	37.04
513	400.00	400.00	4.0	37.12
514	400.00	425.00	4.0	36.96
515	400.00	450.00	4.0	36.78
516	400.00	475.00	4.0	36.71
517	400.00	500.00	4.0	36.68
518	400.00	525.00	4.0	36.57
519	400.00	550.00	4.0	36.11
520	400.00	575.00	4.0	35.48
521	400.00	600.00	4.0	34.93
522	400.00	625.00	4.0	34.98
523	400.00	650.00	4.0	34.12
524	400.00	675.00	4.0	33.26
525	400.00	700.00	4.0	32.44
526	400.00	725.00	4.0	31.67
527	400.00	750.00	4.0	30.97
528	425.00	0.00	4.0	29.41
529	425.00	25.00	4.0	29.85
530	425.00	50.00	4.0	30.30
531	425.00	75.00	4.0	30.78
532	425.00	100.00	4.0	31.29
533	425.00	125.00	4.0	31.78
534	425.00	150.00	4.0	32.28
535	425.00	175.00	4.0	32.81
536	425.00	200.00	4.0	33.33
537	425.00	225.00	4.0	33.85
538	425.00	250.00	4.0	34.50
539	425.00	275.00	4.0	35.23
540	425.00	300.00	4.0	36.14
541	425.00	325.00	4.0	37.19
542	425.00	350.00	4.0	38.27
543	425.00	375.00	4.0	38.94
544	425.00	400.00	4.0	38.83
545	425.00	425.00	4.0	38.51
546	425.00	450.00	4.0	38.28
547	425.00	475.00	4.0	38.23
548	425.00	500.00	4.0	38.16
549	425.00	525.00	4.0	38.10
550	425.00	550.00	4.0	37.74
551	425.00	575.00	4.0	37.11
552	425.00	600.00	4.0	36.18
553	425.00	625.00	4.0	35.12
554	425.00	650.00	4.0	34.26
555	425.00	675.00	4.0	33.57
556	425.00	700.00	4.0	33.01
557	425.00	725.00	4.0	32.17
558	425.00	750.00	4.0	31.47
559	450.00	0.00	4.0	29.78
560	450.00	25.00	4.0	30.19
561	450.00	50.00	4.0	30.57
562	450.00	75.00	4.0	31.06
563	450.00	100.00	4.0	31.61
564	450.00	125.00	4.0	32.16
565	450.00	150.00	4.0	32.77
566	450.00	175.00	4.0	33.38
567	450.00	200.00	4.0	33.97
568	450.00	225.00	4.0	34.61
569	450.00	250.00	4.0	35.23
570	450.00	275.00	4.0	36.04
571	450.00	300.00	4.0	37.15
572	450.00	325.00	4.0	38.70
573	450.00	350.00	4.0	41.02
574	450.00	375.00	4.0	42.64
575	450.00	400.00	4.0	41.10
576	450.00	425.00	4.0	39.86
577	450.00	450.00	4.0	39.66
578	450.00	475.00	4.0	40.12
579	450.00	500.00	4.0	40.32
580	450.00	525.00	4.0	40.36
581	450.00	550.00	4.0	40.19
582	450.00	575.00	4.0	39.30
583	450.00	600.00	4.0	37.84



584	450.00	625.00	4.0	36.36
585	450.00	650.00	4.0	35.09
586	450.00	675.00	4.0	34.01
587	450.00	700.00	4.0	33.12
588	450.00	725.00	4.0	32.45
589	450.00	750.00	4.0	31.97
590	475.00	0.00	4.0	30.56
591	475.00	25.00	4.0	31.05
592	475.00	50.00	4.0	31.47
593	475.00	75.00	4.0	31.48
594	475.00	100.00	4.0	31.99
595	475.00	125.00	4.0	32.48
596	475.00	150.00	4.0	33.13
597	475.00	175.00	4.0	33.75
598	475.00	200.00	4.0	34.50
599	475.00	225.00	4.0	35.28
600	475.00	250.00	4.0	36.03
601	475.00	275.00	4.0	36.81
602	475.00	300.00	4.0	37.97
603	475.00	325.00	4.0	39.94
604	475.00	350.00	4.0	44.35
605	475.00	375.00	4.0	55.22
606	475.00	400.00	4.0	43.78
607	475.00	425.00	4.0	41.17
608	475.00	450.00	4.0	41.22
609	475.00	475.00	4.0	42.18
610	475.00	500.00	4.0	40.63
611	475.00	525.00	4.0	44.05
612	475.00	550.00	4.0	44.07
613	475.00	575.00	4.0	42.45
614	475.00	600.00	4.0	39.76
615	475.00	625.00	4.0	37.60
616	475.00	650.00	4.0	35.90
617	475.00	675.00	4.0	34.60
618	475.00	700.00	4.0	33.60
619	475.00	725.00	4.0	32.80
620	475.00	750.00	4.0	32.08
621	500.00	0.00	4.0	30.77
622	500.00	25.00	4.0	31.24
623	500.00	50.00	4.0	31.73
624	500.00	75.00	4.0	32.22
625	500.00	100.00	4.0	32.77
626	500.00	125.00	4.0	33.43
627	500.00	150.00	4.0	33.52
628	500.00	175.00	4.0	34.13
629	500.00	200.00	4.0	34.84
630	500.00	225.00	4.0	35.72
631	500.00	250.00	4.0	36.61
632	500.00	275.00	4.0	37.61
633	500.00	300.00	4.0	38.68
634	500.00	325.00	4.0	40.21
635	500.00	350.00	4.0	43.04
636	500.00	375.00	4.0	46.00
637	500.00	400.00	4.0	43.13
638	500.00	425.00	4.0	41.92
639	500.00	450.00	4.0	42.64
640	500.00	475.00	4.0	45.03
641	500.00	500.00	4.0	44.87
642	500.00	525.00	4.0	-1.00
643	500.00	550.00	4.0	-1.00
644	500.00	575.00	4.0	43.67
645	500.00	600.00	4.0	41.71
646	500.00	625.00	4.0	38.71
647	500.00	650.00	4.0	36.76
648	500.00	675.00	4.0	35.38
649	500.00	700.00	4.0	34.22
650	500.00	725.00	4.0	33.26
651	500.00	750.00	4.0	32.41
652	525.00	0.00	4.0	31.06
653	525.00	25.00	4.0	31.50
654	525.00	50.00	4.0	31.88
655	525.00	75.00	4.0	32.41
656	525.00	100.00	4.0	32.89
657	525.00	125.00	4.0	33.59
658	525.00	150.00	4.0	34.42
659	525.00	175.00	4.0	34.99
660	525.00	200.00	4.0	35.82
661	525.00	225.00	4.0	36.58
662	525.00	250.00	4.0	37.01
663	525.00	275.00	4.0	38.07
664	525.00	300.00	4.0	39.18
665	525.00	325.00	4.0	40.29
666	525.00	350.00	4.0	41.61
667	525.00	375.00	4.0	42.35
668	525.00	400.00	4.0	42.23
669	525.00	425.00	4.0	42.45
670	525.00	450.00	4.0	43.58
671	525.00	475.00	4.0	-2.00
672	525.00	500.00	4.0	46.04
673	525.00	525.00	4.0	47.08
674	525.00	550.00	4.0	46.50
675	525.00	575.00	4.0	44.05
676	525.00	600.00	4.0	41.43
677	525.00	625.00	4.0	39.12
678	525.00	650.00	4.0	37.24
679	525.00	675.00	4.0	35.88
680	525.00	700.00	4.0	34.70
681	525.00	725.00	4.0	33.69
682	525.00	750.00	4.0	32.84
683	550.00	0.00	4.0	31.44

684	550.00	25.00	4.0	31.71
685	550.00	50.00	4.0	32.17
686	550.00	75.00	4.0	32.82
687	550.00	100.00	4.0	33.30
688	550.00	125.00	4.0	33.78
689	550.00	150.00	4.0	34.33
690	550.00	175.00	4.0	35.02
691	550.00	200.00	4.0	35.95
692	550.00	225.00	4.0	36.90
693	550.00	250.00	4.0	37.83
694	550.00	275.00	4.0	39.00
695	550.00	300.00	4.0	40.15
696	550.00	325.00	4.0	41.00
697	550.00	350.00	4.0	42.27
698	550.00	375.00	4.0	42.25
699	550.00	400.00	4.0	42.88
700	550.00	425.00	4.0	42.95
701	550.00	450.00	4.0	44.18
702	550.00	475.00	4.0	44.01
703	550.00	500.00	4.0	44.46
704	550.00	525.00	4.0	-2.00
705	550.00	550.00	4.0	-2.00
706	550.00	575.00	4.0	42.78
707	550.00	600.00	4.0	40.82
708	550.00	625.00	4.0	39.03
709	550.00	650.00	4.0	37.42
710	550.00	675.00	4.0	36.08
711	550.00	700.00	4.0	34.92
712	550.00	725.00	4.0	33.91
713	550.00	750.00	4.0	33.04
714	575.00	0.00	4.0	31.50
715	575.00	25.00	4.0	32.05
716	575.00	50.00	4.0	32.39
717	575.00	75.00	4.0	33.03
718	575.00	100.00	4.0	33.76
719	575.00	125.00	4.0	34.35
720	575.00	150.00	4.0	35.06
721	575.00	175.00	4.0	35.85
722	575.00	200.00	4.0	36.52
723	575.00	225.00	4.0	37.17
724	575.00	250.00	4.0	38.20
725	575.00	275.00	4.0	39.51
726	575.00	300.00	4.0	40.44
727	575.00	325.00	4.0	41.99
728	575.00	350.00	4.0	43.12
729	575.00	375.00	4.0	-3.00
730	575.00	400.00	4.0	45.26
731	575.00	425.00	4.0	45.20
732	575.00	450.00	4.0	43.55
733	575.00	475.00	4.0	43.76
734	575.00	500.00	4.0	44.55
735	575.00	525.00	4.0	44.20
736	575.00	550.00	4.0	41.70
737	575.00	575.00	4.0	40.94
738	575.00	600.00	4.0	39.84
739	575.00	625.00	4.0	38.44
740	575.00	650.00	4.0	36.97
741	575.00	675.00	4.0	35.93
742	575.00	700.00	4.0	34.92
743	575.00	725.00	4.0	33.99
744	575.00	750.00	4.0	33.16
745	600.00	0.00	4.0	31.30
746	600.00	25.00	4.0	31.84
747	600.00	50.00	4.0	32.43
748	600.00	75.00	4.0	32.98
749	600.00	100.00	4.0	33.62
750	600.00	125.00	4.0	34.37
751	600.00	150.00	4.0	35.10
752	600.00	175.00	4.0	36.04
753	600.00	200.00	4.0	36.77
754	600.00	225.00	4.0	37.65
755	600.00	250.00	4.0	38.76
756	600.00	275.00	4.0	39.73
757	600.00	300.00	4.0	40.99
758	600.00	325.00	4.0	42.99
759	600.00	350.00	4.0	43.80
760	600.00	375.00	4.0	-4.00
761	600.00	400.00	4.0	46.24
762	600.00	425.00	4.0	46.73
763	600.00	450.00	4.0	47.01
764	600.00	475.00	4.0	43.15
765	600.00	500.00	4.0	42.44
766	600.00	525.00	4.0	42.04
767	600.00	550.00	4.0	41.41
768	600.00	575.00	4.0	40.54
769	600.00	600.00	4.0	39.14
770	600.00	625.00	4.0	37.70
771	600.00	650.00	4.0	36.63
772	600.00	675.00	4.0	35.66
773	600.00	700.00	4.0	34.69
774	600.00	725.00	4.0	33.86
775	600.00	750.00	4.0	33.12
776	625.00	0.00	4.0	31.12
777	625.00	25.00	4.0	31.68
778	625.00	50.00	4.0	32.27
779	625.00	75.00	4.0	32.91
780	625.00	100.00	4.0	33.56
781	625.00	125.00	4.0	34.22
782	625.00	150.00	4.0	34.89
783	625.00	175.00	4.0	35.73

784	625.00	200.00	4.0	36.62
785	625.00	225.00	4.0	37.64
786	625.00	250.00	4.0	38.95
787	625.00	275.00	4.0	40.20
788	625.00	300.00	4.0	41.43
789	625.00	325.00	4.0	43.53
790	625.00	350.00	4.0	45.32
791	625.00	375.00	4.0	45.57
792	625.00	400.00	4.0	46.54
793	625.00	425.00	4.0	47.52
794	625.00	450.00	4.0	45.25
795	625.00	475.00	4.0	43.96
796	625.00	500.00	4.0	42.42
797	625.00	525.00	4.0	40.86
798	625.00	550.00	4.0	39.55
799	625.00	575.00	4.0	38.94
800	625.00	600.00	4.0	38.15
801	625.00	625.00	4.0	37.46
802	625.00	650.00	4.0	36.43
803	625.00	675.00	4.0	35.44
804	625.00	700.00	4.0	34.54
805	625.00	725.00	4.0	33.71
806	625.00	750.00	4.0	33.09
807	650.00	0.00	4.0	30.54
808	650.00	25.00	4.0	31.10
809	650.00	50.00	4.0	31.67
810	650.00	75.00	4.0	32.29
811	650.00	100.00	4.0	32.99
812	650.00	125.00	4.0	33.71
813	650.00	150.00	4.0	34.54
814	650.00	175.00	4.0	35.43
815	650.00	200.00	4.0	36.35
816	650.00	225.00	4.0	37.45
817	650.00	250.00	4.0	38.61
818	650.00	275.00	4.0	39.86
819	650.00	300.00	4.0	41.39
820	650.00	325.00	4.0	42.99
821	650.00	350.00	4.0	-6.00
822	650.00	375.00	4.0	46.46
823	650.00	400.00	4.0	-5.00
824	650.00	425.00	4.0	49.00
825	650.00	450.00	4.0	43.05
826	650.00	475.00	4.0	41.93
827	650.00	500.00	4.0	40.93
828	650.00	525.00	4.0	40.35
829	650.00	550.00	4.0	39.56
830	650.00	575.00	4.0	38.32
831	650.00	600.00	4.0	37.73
832	650.00	625.00	4.0	36.91
833	650.00	650.00	4.0	35.66
834	650.00	675.00	4.0	34.92
835	650.00	700.00	4.0	34.07
836	650.00	725.00	4.0	33.30
837	650.00	750.00	4.0	32.61
838	675.00	0.00	4.0	29.97
839	675.00	25.00	4.0	30.50
840	675.00	50.00	4.0	31.04
841	675.00	75.00	4.0	31.61
842	675.00	100.00	4.0	32.24
843	675.00	125.00	4.0	32.90
844	675.00	150.00	4.0	33.63
845	675.00	175.00	4.0	34.42
846	675.00	200.00	4.0	35.35
847	675.00	225.00	4.0	36.42
848	675.00	250.00	4.0	37.51
849	675.00	275.00	4.0	38.74
850	675.00	300.00	4.0	40.17
851	675.00	325.00	4.0	41.43
852	675.00	350.00	4.0	43.35
853	675.00	375.00	4.0	45.22
854	675.00	400.00	4.0	-6.00
855	675.00	425.00	4.0	46.95
856	675.00	450.00	4.0	44.32
857	675.00	475.00	4.0	42.42
858	675.00	500.00	4.0	41.10
859	675.00	525.00	4.0	39.31
860	675.00	550.00	4.0	38.50
861	675.00	575.00	4.0	37.89
862	675.00	600.00	4.0	37.29
863	675.00	625.00	4.0	36.64
864	675.00	650.00	4.0	35.49
865	675.00	675.00	4.0	34.88
866	675.00	700.00	4.0	34.18
867	675.00	725.00	4.0	33.04
868	675.00	750.00	4.0	32.36
869	700.00	0.00	4.0	29.60
870	700.00	25.00	4.0	30.11
871	700.00	50.00	4.0	30.52
872	700.00	75.00	4.0	31.11
873	700.00	100.00	4.0	31.71
874	700.00	125.00	4.0	32.30
875	700.00	150.00	4.0	33.04
876	700.00	175.00	4.0	33.76
877	700.00	200.00	4.0	34.57
878	700.00	225.00	4.0	35.52
879	700.00	250.00	4.0	36.59
880	700.00	275.00	4.0	37.77
881	700.00	300.00	4.0	39.22
882	700.00	325.00	4.0	40.75
883	700.00	350.00	4.0	41.73

884	700.00	375.00	4.0	42.74
885	700.00	400.00	4.0	43.41
886	700.00	425.00	4.0	43.36
887	700.00	450.00	4.0	41.82
888	700.00	475.00	4.0	40.95
889	700.00	500.00	4.0	40.20
890	700.00	525.00	4.0	39.38
891	700.00	550.00	4.0	38.63
892	700.00	575.00	4.0	37.84
893	700.00	600.00	4.0	36.61
894	700.00	625.00	4.0	35.91
895	700.00	650.00	4.0	35.42
896	700.00	675.00	4.0	34.77
897	700.00	700.00	4.0	34.16
898	700.00	725.00	4.0	33.18
899	700.00	750.00	4.0	32.58
900	725.00	0.00	4.0	29.28
901	725.00	25.00	4.0	29.81
902	725.00	50.00	4.0	30.29
903	725.00	75.00	4.0	30.81
904	725.00	100.00	4.0	31.32
905	725.00	125.00	4.0	31.88
906	725.00	150.00	4.0	32.55
907	725.00	175.00	4.0	33.12
908	725.00	200.00	4.0	33.91
909	725.00	225.00	4.0	34.77
910	725.00	250.00	4.0	35.60
911	725.00	275.00	4.0	36.63
912	725.00	300.00	4.0	37.78
913	725.00	325.00	4.0	38.88
914	725.00	350.00	4.0	39.95
915	725.00	375.00	4.0	40.92
916	725.00	400.00	4.0	41.72
917	725.00	425.00	4.0	41.99
918	725.00	450.00	4.0	40.22
919	725.00	475.00	4.0	39.19
920	725.00	500.00	4.0	38.74
921	725.00	525.00	4.0	38.20
922	725.00	550.00	4.0	37.63
923	725.00	575.00	4.0	37.19
924	725.00	600.00	4.0	36.50
925	725.00	625.00	4.0	35.89
926	725.00	650.00	4.0	35.30
927	725.00	675.00	4.0	34.25
928	725.00	700.00	4.0	33.72
929	725.00	725.00	4.0	33.22
930	725.00	750.00	4.0	32.65
931	750.00	0.00	4.0	29.02
932	750.00	25.00	4.0	29.49
933	750.00	50.00	4.0	29.95
934	750.00	75.00	4.0	30.50
935	750.00	100.00	4.0	30.99
936	750.00	125.00	4.0	31.53
937	750.00	150.00	4.0	32.08
938	750.00	175.00	4.0	32.63
939	750.00	200.00	4.0	33.28
940	750.00	225.00	4.0	33.96
941	750.00	250.00	4.0	34.73
942	750.00	275.00	4.0	35.55
943	750.00	300.00	4.0	36.36
944	750.00	325.00	4.0	37.19
945	750.00	350.00	4.0	38.04
946	750.00	375.00	4.0	38.74
947	750.00	400.00	4.0	39.44
948	750.00	425.00	4.0	40.40
949	750.00	450.00	4.0	38.95
950	750.00	475.00	4.0	38.12
951	750.00	500.00	4.0	37.48
952	750.00	525.00	4.0	37.14
953	750.00	550.00	4.0	36.68
954	750.00	575.00	4.0	36.18
955	750.00	600.00	4.0	35.73
956	750.00	625.00	4.0	35.21
957	750.00	650.00	4.0	34.74
958	750.00	675.00	4.0	34.21
959	750.00	700.00	4.0	33.74
960	750.00	725.00	4.0	33.24
961	750.00	750.00	4.0	32.71
962	775.00	0.00	4.0	28.83
963	775.00	25.00	4.0	29.23
964	775.00	50.00	4.0	29.68
965	775.00	75.00	4.0	30.15
966	775.00	100.00	4.0	30.57
967	775.00	125.00	4.0	31.09
968	775.00	150.00	4.0	31.58
969	775.00	175.00	4.0	32.12
970	775.00	200.00	4.0	32.72
971	775.00	225.00	4.0	33.27
972	775.00	250.00	4.0	33.88
973	775.00	275.00	4.0	34.55
974	775.00	300.00	4.0	35.13
975	775.00	325.00	4.0	35.92
976	775.00	350.00	4.0	36.51
977	775.00	375.00	4.0	37.04
978	775.00	400.00	4.0	37.72
979	775.00	425.00	4.0	38.78
980	775.00	450.00	4.0	37.84
981	775.00	475.00	4.0	36.92
982	775.00	500.00	4.0	36.43
983	775.00	525.00	4.0	36.00

984	775.00	550.00	4.0	35.78
985	775.00	575.00	4.0	35.30
986	775.00	600.00	4.0	34.92
987	775.00	625.00	4.0	34.46
988	775.00	650.00	4.0	33.99
989	775.00	675.00	4.0	33.56
990	775.00	700.00	4.0	33.19
991	775.00	725.00	4.0	32.76
992	775.00	750.00	4.0	32.33
993	800.00	0.00	4.0	28.50
994	800.00	25.00	4.0	28.95
995	800.00	50.00	4.0	29.39
996	800.00	75.00	4.0	29.85
997	800.00	100.00	4.0	30.32
998	800.00	125.00	4.0	30.77
999	800.00	150.00	4.0	31.19
1000	800.00	175.00	4.0	31.60
1001	800.00	200.00	4.0	32.12
1002	800.00	225.00	4.0	32.51
1003	800.00	250.00	4.0	33.02
1004	800.00	275.00	4.0	33.66
1005	800.00	300.00	4.0	34.17
1006	800.00	325.00	4.0	34.72
1007	800.00	350.00	4.0	35.25
1008	800.00	375.00	4.0	35.68
1009	800.00	400.00	4.0	36.31
1010	800.00	425.00	4.0	37.26
1011	800.00	450.00	4.0	36.85
1012	800.00	475.00	4.0	35.99
1013	800.00	500.00	4.0	35.38
1014	800.00	525.00	4.0	35.01
1015	800.00	550.00	4.0	34.76
1016	800.00	575.00	4.0	34.46
1017	800.00	600.00	4.0	34.10
1018	800.00	625.00	4.0	33.79
1019	800.00	650.00	4.0	33.34
1020	800.00	675.00	4.0	32.96
1021	800.00	700.00	4.0	32.56
1022	800.00	725.00	4.0	32.20
1023	800.00	750.00	4.0	31.83
1024	825.00	0.00	4.0	28.20
1025	825.00	25.00	4.0	28.61
1026	825.00	50.00	4.0	29.05
1027	825.00	75.00	4.0	29.49
1028	825.00	100.00	4.0	29.93
1029	825.00	125.00	4.0	30.43
1030	825.00	150.00	4.0	30.86
1031	825.00	175.00	4.0	31.33
1032	825.00	200.00	4.0	31.71
1033	825.00	225.00	4.0	32.08
1034	825.00	250.00	4.0	32.40
1035	825.00	275.00	4.0	32.81
1036	825.00	300.00	4.0	33.29
1037	825.00	325.00	4.0	33.71
1038	825.00	350.00	4.0	34.14
1039	825.00	375.00	4.0	34.59
1040	825.00	400.00	4.0	35.21
1041	825.00	425.00	4.0	35.99
1042	825.00	450.00	4.0	35.96
1043	825.00	475.00	4.0	35.15
1044	825.00	500.00	4.0	34.52
1045	825.00	525.00	4.0	34.14
1046	825.00	550.00	4.0	33.86
1047	825.00	575.00	4.0	33.58
1048	825.00	600.00	4.0	33.34
1049	825.00	625.00	4.0	33.03
1050	825.00	650.00	4.0	32.68
1051	825.00	675.00	4.0	32.34
1052	825.00	700.00	4.0	31.97
1053	825.00	725.00	4.0	31.60
1054	825.00	750.00	4.0	31.28
1055	850.00	0.00	4.0	27.91
1056	850.00	25.00	4.0	28.31
1057	850.00	50.00	4.0	28.69
1058	850.00	75.00	4.0	29.09
1059	850.00	100.00	4.0	29.52
1060	850.00	125.00	4.0	29.90
1061	850.00	150.00	4.0	30.35
1062	850.00	175.00	4.0	30.80
1063	850.00	200.00	4.0	31.24
1064	850.00	225.00	4.0	31.73
1065	850.00	250.00	4.0	32.24
1066	850.00	275.00	4.0	32.48
1067	850.00	300.00	4.0	32.83
1068	850.00	325.00	4.0	32.85
1069	850.00	350.00	4.0	33.20
1070	850.00	375.00	4.0	33.61
1071	850.00	400.00	4.0	34.17
1072	850.00	425.00	4.0	34.86
1073	850.00	450.00	4.0	35.10
1074	850.00	475.00	4.0	34.49
1075	850.00	500.00	4.0	33.83
1076	850.00	525.00	4.0	33.40
1077	850.00	550.00	4.0	33.12
1078	850.00	575.00	4.0	32.88
1079	850.00	600.00	4.0	32.62
1080	850.00	625.00	4.0	32.35
1081	850.00	650.00	4.0	32.04
1082	850.00	675.00	4.0	31.74
1083	850.00	700.00	4.0	31.38

1084	850.00	725.00	4.0	31.07
1085	850.00	750.00	4.0	30.75
1086	875.00	0.00	4.0	27.61
1087	875.00	25.00	4.0	27.97
1088	875.00	50.00	4.0	28.33
1089	875.00	75.00	4.0	28.74
1090	875.00	100.00	4.0	29.08
1091	875.00	125.00	4.0	29.46
1092	875.00	150.00	4.0	29.83
1093	875.00	175.00	4.0	30.27
1094	875.00	200.00	4.0	30.71
1095	875.00	225.00	4.0	31.18
1096	875.00	250.00	4.0	31.70
1097	875.00	275.00	4.0	32.05
1098	875.00	300.00	4.0	32.46
1099	875.00	325.00	4.0	32.74
1100	875.00	350.00	4.0	32.75
1101	875.00	375.00	4.0	33.07
1102	875.00	400.00	4.0	33.37
1103	875.00	425.00	4.0	33.91
1104	875.00	450.00	4.0	34.25
1105	875.00	475.00	4.0	33.83
1106	875.00	500.00	4.0	33.27
1107	875.00	525.00	4.0	32.87
1108	875.00	550.00	4.0	32.51
1109	875.00	575.00	4.0	32.20
1110	875.00	600.00	4.0	32.02
1111	875.00	625.00	4.0	31.69
1112	875.00	650.00	4.0	31.45
1113	875.00	675.00	4.0	31.17
1114	875.00	700.00	4.0	30.86
1115	875.00	725.00	4.0	30.56
1116	875.00	750.00	4.0	30.25
1117	900.00	0.00	4.0	27.25
1118	900.00	25.00	4.0	27.58
1119	900.00	50.00	4.0	27.92
1120	900.00	75.00	4.0	28.26
1121	900.00	100.00	4.0	28.64
1122	900.00	125.00	4.0	29.03
1123	900.00	150.00	4.0	29.37
1124	900.00	175.00	4.0	29.81
1125	900.00	200.00	4.0	30.21
1126	900.00	225.00	4.0	30.66
1127	900.00	250.00	4.0	30.99
1128	900.00	275.00	4.0	31.40
1129	900.00	300.00	4.0	31.78
1130	900.00	325.00	4.0	31.95
1131	900.00	350.00	4.0	32.21
1132	900.00	375.00	4.0	32.52
1133	900.00	400.00	4.0	32.87
1134	900.00	425.00	4.0	33.27
1135	900.00	450.00	4.0	33.59
1136	900.00	475.00	4.0	33.21
1137	900.00	500.00	4.0	32.66
1138	900.00	525.00	4.0	32.26
1139	900.00	550.00	4.0	31.92
1140	900.00	575.00	4.0	31.69
1141	900.00	600.00	4.0	31.45
1142	900.00	625.00	4.0	31.17
1143	900.00	650.00	4.0	30.95
1144	900.00	675.00	4.0	30.67
1145	900.00	700.00	4.0	30.36
1146	900.00	725.00	4.0	30.12
1147	900.00	750.00	4.0	29.77
1148	925.00	0.00	4.0	26.87
1149	925.00	25.00	4.0	27.23
1150	925.00	50.00	4.0	27.51
1151	925.00	75.00	4.0	27.86
1152	925.00	100.00	4.0	28.22
1153	925.00	125.00	4.0	28.52
1154	925.00	150.00	4.0	28.94
1155	925.00	175.00	4.0	29.36
1156	925.00	200.00	4.0	29.75
1157	925.00	225.00	4.0	30.12
1158	925.00	250.00	4.0	30.41
1159	925.00	275.00	4.0	30.76
1160	925.00	300.00	4.0	31.09
1161	925.00	325.00	4.0	31.24
1162	925.00	350.00	4.0	31.47
1163	925.00	375.00	4.0	31.79
1164	925.00	400.00	4.0	32.09
1165	925.00	425.00	4.0	32.52
1166	925.00	450.00	4.0	32.88
1167	925.00	475.00	4.0	32.76
1168	925.00	500.00	4.0	32.27
1169	925.00	525.00	4.0	31.80
1170	925.00	550.00	4.0	31.36
1171	925.00	575.00	4.0	31.14
1172	925.00	600.00	4.0	30.87
1173	925.00	625.00	4.0	30.71
1174	925.00	650.00	4.0	30.45
1175	925.00	675.00	4.0	30.19
1176	925.00	700.00	4.0	29.93
1177	925.00	725.00	4.0	29.66
1178	925.00	750.00	4.0	29.38
1179	950.00	0.00	4.0	26.56
1180	950.00	25.00	4.0	26.82
1181	950.00	50.00	4.0	27.13
1182	950.00	75.00	4.0	27.47
1183	950.00	100.00	4.0	27.79

1184	950.00	125.00	4.0	28.14
1185	950.00	150.00	4.0	28.55
1186	950.00	175.00	4.0	28.89
1187	950.00	200.00	4.0	29.26
1188	950.00	225.00	4.0	29.60
1189	950.00	250.00	4.0	29.86
1190	950.00	275.00	4.0	30.18
1191	950.00	300.00	4.0	30.37
1192	950.00	325.00	4.0	30.56
1193	950.00	350.00	4.0	30.83
1194	950.00	375.00	4.0	31.10
1195	950.00	400.00	4.0	31.38
1196	950.00	425.00	4.0	31.77
1197	950.00	450.00	4.0	32.13
1198	950.00	475.00	4.0	32.10
1199	950.00	500.00	4.0	31.76
1200	950.00	525.00	4.0	31.31
1201	950.00	550.00	4.0	30.97
1202	950.00	575.00	4.0	30.71
1203	950.00	600.00	4.0	30.39
1204	950.00	625.00	4.0	30.15
1205	950.00	650.00	4.0	29.97
1206	950.00	675.00	4.0	29.69
1207	950.00	700.00	4.0	29.48
1208	950.00	725.00	4.0	29.24
1209	950.00	750.00	4.0	28.97
1210	975.00	0.00	4.0	26.26
1211	975.00	25.00	4.0	26.49
1212	975.00	50.00	4.0	26.79
1213	975.00	75.00	4.0	27.12
1214	975.00	100.00	4.0	27.41
1215	975.00	125.00	4.0	27.79
1216	975.00	150.00	4.0	28.14
1217	975.00	175.00	4.0	28.47
1218	975.00	200.00	4.0	28.77
1219	975.00	225.00	4.0	29.02
1220	975.00	250.00	4.0	29.33
1221	975.00	275.00	4.0	29.62
1222	975.00	300.00	4.0	29.76
1223	975.00	325.00	4.0	29.95
1224	975.00	350.00	4.0	30.23
1225	975.00	375.00	4.0	30.46
1226	975.00	400.00	4.0	30.76
1227	975.00	425.00	4.0	31.10
1228	975.00	450.00	4.0	31.43
1229	975.00	475.00	4.0	31.49
1230	975.00	500.00	4.0	31.21
1231	975.00	525.00	4.0	30.82
1232	975.00	550.00	4.0	30.47
1233	975.00	575.00	4.0	30.18
1234	975.00	600.00	4.0	29.94
1235	975.00	625.00	4.0	29.74
1236	975.00	650.00	4.0	29.56
1237	975.00	675.00	4.0	29.28
1238	975.00	700.00	4.0	29.05
1239	975.00	725.00	4.0	28.81
1240	975.00	750.00	4.0	28.57
1241	1000.00	0.00	4.0	25.96
1242	1000.00	25.00	4.0	26.19
1243	1000.00	50.00	4.0	26.47
1244	1000.00	75.00	4.0	26.79
1245	1000.00	100.00	4.0	27.10
1246	1000.00	125.00	4.0	27.46
1247	1000.00	150.00	4.0	27.73
1248	1000.00	175.00	4.0	28.03
1249	1000.00	200.00	4.0	28.33
1250	1000.00	225.00	4.0	28.55
1251	1000.00	250.00	4.0	28.83
1252	1000.00	275.00	4.0	29.07
1253	1000.00	300.00	4.0	29.19
1254	1000.00	325.00	4.0	29.37
1255	1000.00	350.00	4.0	29.63
1256	1000.00	375.00	4.0	29.85
1257	1000.00	400.00	4.0	30.16
1258	1000.00	425.00	4.0	30.46
1259	1000.00	450.00	4.0	30.78
1260	1000.00	475.00	4.0	30.90
1261	1000.00	500.00	4.0	30.74
1262	1000.00	525.00	4.0	30.35
1263	1000.00	550.00	4.0	30.03
1264	1000.00	575.00	4.0	29.72
1265	1000.00	600.00	4.0	29.48
1266	1000.00	625.00	4.0	29.28
1267	1000.00	650.00	4.0	29.04
1268	1000.00	675.00	4.0	28.88
1269	1000.00	700.00	4.0	28.66
1270	1000.00	725.00	4.0	28.41
1271	1000.00	750.00	4.0	28.16
1272	1025.00	0.00	4.0	25.68
1273	1025.00	25.00	4.0	25.95
1274	1025.00	50.00	4.0	26.23
1275	1025.00	75.00	4.0	26.49
1276	1025.00	100.00	4.0	26.80
1277	1025.00	125.00	4.0	27.12
1278	1025.00	150.00	4.0	27.35
1279	1025.00	175.00	4.0	27.62
1280	1025.00	200.00	4.0	27.87
1281	1025.00	225.00	4.0	28.11
1282	1025.00	250.00	4.0	28.35
1283	1025.00	275.00	4.0	28.55

1284	1025.00	300.00	4.0	28.64
1285	1025.00	325.00	4.0	28.82
1286	1025.00	350.00	4.0	29.07
1287	1025.00	375.00	4.0	29.26
1288	1025.00	400.00	4.0	29.57
1289	1025.00	425.00	4.0	29.84
1290	1025.00	450.00	4.0	30.16
1291	1025.00	475.00	4.0	30.33
1292	1025.00	500.00	4.0	30.20
1293	1025.00	525.00	4.0	29.91
1294	1025.00	550.00	4.0	29.56
1295	1025.00	575.00	4.0	29.28
1296	1025.00	600.00	4.0	29.03
1297	1025.00	625.00	4.0	28.83
1298	1025.00	650.00	4.0	28.62
1299	1025.00	675.00	4.0	28.47
1300	1025.00	700.00	4.0	28.26
1301	1025.00	725.00	4.0	28.02
1302	1025.00	750.00	4.0	27.81
1303	1050.00	0.00	4.0	25.51
1304	1050.00	25.00	4.0	25.79
1305	1050.00	50.00	4.0	26.03
1306	1050.00	75.00	4.0	26.27
1307	1050.00	100.00	4.0	26.52
1308	1050.00	125.00	4.0	26.76
1309	1050.00	150.00	4.0	26.99
1310	1050.00	175.00	4.0	27.22
1311	1050.00	200.00	4.0	27.41
1312	1050.00	225.00	4.0	27.66
1313	1050.00	250.00	4.0	27.88
1314	1050.00	275.00	4.0	28.07
1315	1050.00	300.00	4.0	28.14
1316	1050.00	325.00	4.0	28.34
1317	1050.00	350.00	4.0	28.54
1318	1050.00	375.00	4.0	28.74
1319	1050.00	400.00	4.0	29.02
1320	1050.00	425.00	4.0	29.27
1321	1050.00	450.00	4.0	29.57
1322	1050.00	475.00	4.0	29.76
1323	1050.00	500.00	4.0	29.69
1324	1050.00	525.00	4.0	29.46
1325	1050.00	550.00	4.0	29.15
1326	1050.00	575.00	4.0	28.87
1327	1050.00	600.00	4.0	28.62
1328	1050.00	625.00	4.0	28.44
1329	1050.00	650.00	4.0	28.22
1330	1050.00	675.00	4.0	28.02
1331	1050.00	700.00	4.0	27.87
1332	1050.00	725.00	4.0	27.65
1333	1050.00	750.00	4.0	27.44

Tłumienie przez grunt wg wzoru 9 PN-ISO 9613  
Koniec obliczeń