

Budowa Bocznicy Kolejowej Centrum Przeładunkowo - Dystrybucyjnego Agrolok Sp. z o.o.
 ODDZIAŁYWANIE SKUMULOWANE
 PORA NOCY

HAŁAS PRZEMYSŁOWY I DROGOWY
 PROGRAM SON2 WERSJA 3.2

DANE WEJŚCIOWE

Rodzaj obliczeń: Poziom hałasu równonoważnego

1. Nazwa projektu:
Budowa Bocznicy Kolejowej Centrum Przeładunkowo - Dystrybucyjnego Agrolok Sp. z o.o.
2. Temperatura powietrza [st C.] = 10
3. Wilgotność względna powietrza [%] = 70
4. Rodzaj gruntu : grunt twardy. wskaźnik gruntu G = 0
5. Punktowe źródła hałasu

Lp	Symbol	Współrzędne źródła			Rodzaj źródła	LAW	tN
		x	y	z			
		m	m	m		dB(A)	h
1	p.k.	701.8	1616.2	26.0	wszechkier.	90.0	1.0
2	p.k.	705.8	1616.2	26.0	wszechkier.	90.0	1.0
3	p.ż.	685.0	1614.4	20.0	wszechkier.	85.0	1.0
4	p.ż.	685.0	1614.4	10.0	wszechkier.	85.0	1.0
5	p.ż.	684.9	1608.5	10.0	wszechkier.	85.0	1.0
6	p.ż.	687.5	1608.5	21.0	wszechkier.	85.0	1.0
7	p.k.	682.0	1603.1	39.0	wszechkier.	90.0	1.0
8	p.k.	681.9	1600.6	39.0	wszechkier.	90.0	1.0
9	p.k.	682.0	1598.9	39.0	wszechkier.	90.0	1.0
10	p.k.	682.0	1596.2	39.0	wszechkier.	90.0	1.0
11	p.k.	692.9	1600.8	39.0	wszechkier.	90.0	1.0
12	p.k.	704.4	1593.6	39.0	wszechkier.	90.0	1.0
13	p.k.	696.7	1582.1	45.0	wszechkier.	90.0	1.0
14	p.ż.	706.5	1581.3	4.0	wszechkier.	85.0	1.0
15	p.ż.	706.5	1580.6	4.0	wszechkier.	85.0	1.0
16	w.n.s.l.	662.6	1580.2	1.5	wszechkier.	75.0	1.0
17	w.n.s.l.	662.6	1578.9	1.5	wszechkier.	75.0	1.0
18	w.n.s.l.	670.5	1580.0	1.5	wszechkier.	75.0	1.0
19	w.n.s.l.	670.5	1578.8	1.5	wszechkier.	75.0	1.0
20	w.n.s.l.	678.6	1579.7	1.5	wszechkier.	75.0	1.0
21	w.n.s.l.	678.6	1578.3	1.5	wszechkier.	75.0	1.0
22	w.n.s.l.	686.4	1579.6	1.5	wszechkier.	75.0	1.0
23	w.n.s.l.	686.4	1578.2	1.5	wszechkier.	75.0	1.0
24	w.n.s.l.	694.7	1579.3	1.5	wszechkier.	75.0	1.0
25	w.n.s.l.	694.7	1578.0	1.5	wszechkier.	75.0	1.0
26	p.k.	710.3	1594.3	39.0	wszechkier.	90.0	1.0
27	w.o.	715.5	1594.3	41.0	wszechkier.	75.0	1.0
28	w.o.	724.4	1594.3	41.0	wszechkier.	75.0	1.0
29	w.o.	715.1	1585.3	41.0	wszechkier.	75.0	1.0
30	w.o.	724.4	1585.5	41.0	wszechkier.	75.0	1.0
31	w.o.	735.1	1593.6	41.0	wszechkier.	75.0	1.0
32	w.o.	744.0	1593.6	41.0	wszechkier.	75.0	1.0
33	w.o.	734.7	1584.6	41.0	wszechkier.	75.0	1.0
34	w.o.	744.0	1584.8	41.0	wszechkier.	75.0	1.0
35	w.o.	756.3	1592.9	41.0	wszechkier.	75.0	1.0
36	w.o.	765.2	1592.9	41.0	wszechkier.	75.0	1.0
37	w.o.	756.0	1584.0	41.0	wszechkier.	75.0	1.0
38	w.o.	765.2	1584.1	41.0	wszechkier.	75.0	1.0
39	w.o.	775.7	1591.9	41.0	wszechkier.	75.0	1.0
40	w.o.	784.6	1591.9	41.0	wszechkier.	75.0	1.0
41	w.o.	775.4	1582.9	41.0	wszechkier.	75.0	1.0
42	w.o.	784.6	1583.1	41.0	wszechkier.	75.0	1.0
43	w.o.	796.9	1591.1	41.0	wszechkier.	75.0	1.0
44	w.o.	805.9	1591.1	41.0	wszechkier.	75.0	1.0
45	w.o.	796.6	1582.1	41.0	wszechkier.	75.0	1.0
46	w.o.	805.9	1582.2	41.0	wszechkier.	75.0	1.0
47	w.o.	715.1	1573.5	41.0	wszechkier.	75.0	1.0
48	w.o.	724.1	1573.5	41.0	wszechkier.	75.0	1.0
49	w.o.	714.8	1564.5	41.0	wszechkier.	75.0	1.0

50	w.o.	724.1	1564.7	41.0	wszechkier.	75.0	1.0
51	w.o.	734.6	1572.2	41.0	wszechkier.	75.0	1.0
52	w.o.	743.5	1572.2	41.0	wszechkier.	75.0	1.0
53	w.o.	734.2	1563.3	41.0	wszechkier.	75.0	1.0
54	w.o.	743.5	1563.4	41.0	wszechkier.	75.0	1.0
55	w.o.	755.1	1571.4	41.0	wszechkier.	75.0	1.0
56	w.o.	764.1	1571.4	41.0	wszechkier.	75.0	1.0
57	w.o.	754.8	1562.5	41.0	wszechkier.	75.0	1.0
58	w.o.	764.1	1562.6	41.0	wszechkier.	75.0	1.0
59	w.o.	775.4	1570.4	41.0	wszechkier.	75.0	1.0
60	w.o.	784.3	1570.4	41.0	wszechkier.	75.0	1.0
61	w.o.	775.1	1561.4	41.0	wszechkier.	75.0	1.0
62	w.o.	784.3	1561.6	41.0	wszechkier.	75.0	1.0
63	w.o.	796.0	1570.1	41.0	wszechkier.	75.0	1.0
64	w.o.	805.0	1570.1	41.0	wszechkier.	75.0	1.0
65	w.o.	795.7	1561.1	41.0	wszechkier.	75.0	1.0
66	w.o.	805.0	1561.3	41.0	wszechkier.	75.0	1.0
67	w.n.s.l.	651.3	1720.4	1.5	wszechkier.	75.0	1.0
68	w.n.s.l.	651.5	1719.6	1.5	wszechkier.	75.0	1.0
69	p.ż.	651.4	1718.8	24.0	wszechkier.	75.0	1.0
70	w.n.s.l.	665.0	1725.0	1.5	wszechkier.	75.0	1.0
71	w.n.s.l.	665.2	1724.2	1.5	wszechkier.	75.0	1.0
72	p.k.	666.9	1724.5	24.0	wszechkier.	90.0	1.0
73	p.ż.	665.4	1722.6	24.0	wszechkier.	85.0	1.0
74	p.k.	674.8	1726.3	9.0	wszechkier.	90.0	1.0
75	p.k.	674.8	1725.2	18.0	wszechkier.	90.0	1.0
76	p.ż.	674.0	1724.7	18.0	wszechkier.	85.0	1.0
77	p.k.	674.8	1724.2	24.0	wszechkier.	90.0	1.0
78	p.ż.	675.3	1724.0	24.0	wszechkier.	85.0	1.0

LAW - poziom mocy akustycznej źródła nominalny

tN - czas pracy źródła w przedziale 1 najmniej korzystnej godzinie nocy

p.ż. - przenośnik łańcuchowy

p.k. - podnośnik kubełkowy

w.o. - wentylator odpowietrzający

w.n.s.l. - wentylator napowietrzający silos lejowy

6. Liniowe źródła hałasu

Lp	Symbol	Początek				Koniec				LAW 8hD	LAW 1hN	D0
		x1	y1	z1	h1t	x2	y2	z2	h2t			
		m	m	m	m	m	m	m	m	dBA	dBA	dB
1	TPS1-1	632.5	1678.4	1.0	0.0	658.7	1681.9	1.0	0.0	-	81.7	
2	TPS1-2	658.7	1681.9	1.0	0.0	702.2	1680.6	1.0	0.0	-	83.9	
3	TPS1-3	702.2	1680.6	1.0	0.0	756.4	1678.1	1.0	0.0	-	84.8	
4	TPS1-4	756.4	1678.1	1.0	0.0	810.7	1678.3	1.0	0.0	-	84.8	
5	TPS1-5	810.7	1678.3	1.0	0.0	1133.0	1662.0	1.0	0.0	-	92.6	
6	TPS1-6	1133.0	1662.0	1.0	0.0	1168.5	1660.2	1.0	0.0	-	83.0	
7	TPS1-7	1168.5	1660.2	1.0	0.0	1222.3	1662.8	1.0	0.0	-	84.8	
8	TPS1-8	1222.3	1662.8	1.0	0.0	1254.0	1664.3	1.0	0.0	-	82.5	
9	TPN1-1	622.9	1668.9	1.0	0.0	645.0	1672.8	1.0	0.0	-	81.0	
10	TPN1-2	645.0	1672.8	1.0	0.0	668.8	1674.2	1.0	0.0	-	81.3	
11	TPN1-3	668.8	1674.2	1.0	0.0	730.9	1671.3	1.0	0.0	-	85.4	
12	TPN1-4	730.9	1671.3	1.0	0.0	752.1	1670.4	1.0	0.0	-	80.7	
13	TPN1-5	752.1	1670.4	1.0	0.0	820.7	1659.3	1.0	0.0	-	85.9	
14	TPN1-6	820.7	1659.3	1.0	0.0	867.3	1656.1	1.0	0.0	-	84.2	
15	TPN1-7	867.3	1656.1	1.0	0.0	1163.9	1641.4	1.0	0.0	-	92.2	
16	TPN1-8	1163.9	1641.4	1.0	0.0	1187.3	1643.1	1.0	0.0	-	81.2	
17	TPN1-9	1187.3	1643.1	1.0	0.0	1230.6	1648.7	1.0	0.0	-	83.9	
18	TPN1-10	1230.6	1648.7	1.0	0.0	1256.0	1650.2	1.0	0.0	-	81.6	
19	TPS2-1	682.3	1718.3	1.0	0.0	913.2	1788.3	1.0	0.0	-	91.3	
20	TPN2-1	689.1	1736.8	1.0	0.0	919.0	1806.6	1.0	0.0	-	91.3	
21	TS1-1	1283.2	1594.8	1.0	0.0	1194.8	1573.4	1.0	0.0	-	75.7	
22	TS1-2	1194.8	1573.4	1.0	0.0	1095.6	1563.0	1.0	0.0	-	76.1	
23	TS2-1	1095.6	1563.0	1.0	0.0	1054.9	1582.8	1.0	0.0	-	68.5	
24	TS2-2	1054.9	1582.8	1.0	0.0	979.8	1586.2	1.0	0.0	-	70.7	
25	TS2-3	979.8	1586.2	1.0	0.0	907.5	1594.2	1.0	0.0	-	70.6	
26	TS2-4	907.5	1594.2	1.0	0.0	741.4	1603.3	1.0	0.0	-	74.2	
27	TS2-5	741.4	1603.3	1.0	0.0	725.3	1608.0	1.0	0.0	-	64.2	
28	TS2-6	725.3	1608.0	1.0	0.0	708.8	1609.1	1.0	0.0	-	64.1	
29	TS3-1	741.4	1603.3	1.0	0.0	730.3	1618.3	1.0	0.0	-	63.7	
30	TS3-2	730.3	1618.3	1.0	0.0	709.4	1619.0	1.0	0.0	-	64.2	
31	TS4-1	730.3	1618.3	1.0	0.0	729.9	1625.6	1.0	0.0	-	59.5	

32	TS4-2	729.9	1625.6	1.0	0.0	709.8	1626.3	1.0	0.0	-	64.0
33	TS5-1	907.5	1594.2	1.0	0.0	901.0	1584.5	1.0	0.0	-	61.7
34	TS5-2	901.0	1584.5	1.0	0.0	845.2	1548.1	1.0	0.0	-	69.2
35	TS5-3	845.2	1548.1	1.0	0.0	810.7	1544.2	1.0	0.0	-	66.4
36	TS5-4	810.7	1544.2	1.0	0.0	632.6	1550.8	1.0	0.0	-	73.5
37	TS6-1	632.6	1550.8	1.0	0.0	633.3	1604.3	1.0	0.0	-	65.3

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

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

7.Ekrany - budynki

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Lp	Symbol	Współrzędne x.y wierzchołków ekranu[m]								ho m	h1 m	Współczynniki odbicia scian nr 1 - 4
		x1	y1	x2	y2	x3	y3	x4	y4			
1	1	682.4	1606.2	682.3	1597.4	672.8	1597.6	673.0	1606.4	0.0	8.0	1.0
2	2	655.5	1587.4	662.2	1587.2	662.0	1579.7	655.2	1579.9	0.0	45.0	1.0
3	3	663.3	1587.2	670.0	1587.0	669.8	1579.4	663.1	1579.6	0.0	45.0	1.0
4	4	671.4	1586.7	678.1	1586.5	677.9	1578.9	671.1	1579.1	0.0	45.0	1.0
5	5	679.5	1586.3	686.2	1586.1	686.0	1578.6	679.3	1578.8	0.0	45.0	1.0
6	6	687.1	1586.1	693.8	1585.9	693.6	1578.3	686.9	1578.5	0.0	45.0	1.0
7	7	658.0	1595.4	665.5	1595.4	665.5	1587.6	658.0	1587.6	0.0	36.0	1.0
8	8	679.7	1594.5	679.4	1586.9	686.6	1586.5	686.9	1594.2	0.0	42.5	1.0
9	9	687.6	1594.0	687.3	1586.3	694.5	1586.0	694.8	1593.7	0.0	42.5	1.0
10	10	711.5	1599.9	711.1	1581.2	730.1	1580.8	730.5	1599.5	0.0	41.0	1.0
11	11	710.0	1577.5	709.6	1558.7	728.6	1558.3	729.0	1577.1	0.0	41.0	1.0
12	12	731.2	1599.0	730.8	1580.2	749.8	1579.8	750.2	1598.6	0.0	41.0	1.0
13	13	729.9	1577.1	729.5	1557.2	748.5	1556.8	748.9	1576.7	0.0	41.0	1.0
14	14	752.2	1597.9	751.8	1579.2	770.7	1578.8	771.1	1597.5	0.0	41.0	1.0
15	15	751.1	1575.9	750.7	1557.1	769.7	1556.7	770.1	1575.5	0.0	41.0	1.0
16	16	772.0	1596.9	771.6	1578.2	790.5	1577.8	790.9	1596.5	0.0	41.0	1.0
17	17	771.6	1574.9	771.2	1555.1	790.1	1554.7	790.5	1574.5	0.0	41.0	1.0
18	18	791.9	1595.9	791.5	1577.2	810.5	1576.8	810.9	1595.5	0.0	41.0	1.0
19	19	791.6	1574.0	791.2	1554.3	810.2	1553.9	810.6	1573.6	0.0	41.0	1.0
20	20	643.3	1537.4	694.3	1534.6	693.1	1513.2	642.2	1515.9	0.0	12.0	1.0
21	21	702.2	1534.2	753.4	1531.4	752.3	1510.3	701.0	1513.0	0.0	12.0	1.0
22	22	685.2	1660.3	704.4	1659.3	703.4	1639.8	684.3	1640.8	0.0	14.0	1.0
23	23	721.3	1657.7	773.8	1655.2	772.7	1631.8	720.1	1634.4	0.0	14.0	1.0

8. Źródła hałasu typu budynek

Lp	Symbol	Współrzędne wierzchołków budynku [m]								ho m	h1 m
		A(x1.	y1)	B(x2.	y2)	C(x3.	y3)	D(x4.	y4)		
1	1	683.7	1628.0	682.4	1606.2	708.6	1604.7	709.8	1626.5	0.0	12.0
2	2	682.4	1606.2	682.3	1597.4	696.0	1596.7	696.3	1605.4	0.0	12.0
3	3	696.3	1605.4	711.0	1604.6	710.4	1596.3	696.0	1596.7	0.0	12.0
4	4	666.2	1596.4	679.4	1596.0	679.2	1587.2	666.0	1587.6	0.0	40.0
5	5	680.5	1633.1	685.5	1633.1	685.5	1629.9	680.5	1629.9	0.0	3.0
6	6	685.8	1633.1	690.8	1633.0	690.7	11629.8	685.8	1629.8	0.0	3.0
7	7	704.8	1679.9	730.0	1678.9	729.8	1673.1	704.6	1674.1	0.0	12.0
8	8	703.4	1671.7	728.9	1670.5	728.7	1665.6	703.2	1666.7	0.0	12.0
9	9	655.9	1715.2	680.5	1723.1	683.0	1715.3	658.5	1707.4	0.0	12.0
10	10	652.0	1728.2	687.4	1739.6	689.2	1734.1	653.8	1722.6	0.0	12.0

8.1 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 _{Awew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	28.00	28.00	28.00	28.00	28.00
2	2	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _{Awew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	28.00	28.00	28.00	28.00	28.00
3	3	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _{Awew} dzień	dB(A)	81.00	81.00	81.00	81.00	81.00
		Izolacyjność	dB(A)	28.00	28.00	28.00	28.00	28.00

4	4	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	00.00	00.00	00.00	00.00	28.00
5	5	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	40.00	40.00	40.00	40.00	40.00
6	6	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	40.00	40.00	40.00	40.00	40.00
7	7	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	28.00	00.00	28.00	00.00	28.00
8	8	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	28.00	00.00	28.00	00.00	28.00
9	9	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	28.00	00.00	28.00	00.00	28.00
10	10	Wsp. odbicia	-	1.0	1.0	1.0	1.0	1.0
		L _A w _{ew} dzień	dB(A)	85.00	85.00	85.00	85.00	85.00
		Izolacyjność	dB(A)	28.00	00.00	28.00	00.00	28.00

L_Aw_{ew} noc- poziom dźwięku A wewnątrz budynku w przedziale 1 najmniej korzystnej godzinie nocy

9. Punkty obserwacji

Lp	Symbol	Współrzędne punktu			Poziom dźwięku
		x	y	z	w porze nocy
		m	m	m	dB(A)
1	1	1307,4	1743,7	4,0	43,7
2	2	1317,6	1701,8	4,0	42,8
3	3	1382,8	1697,6	4,0	41,5
4	4	276,2	1226,7	4,0	38,1
5	5	315,0	1191,7	4,0	38,7
6	6	294,5	1141,2	4,0	38,1
7	7	233,7	1148,3	4,0	36,9
8	8	274,6	1113,9	4,0	37,6
9	9	1104,2	1532,1	4,0	45,1
10	10	1191,0	1542,4	4,0	44,9
11	11	1140,4	1470,2	4,0	41,5
12	12	545,4	988,2	4,0	39,6
13	13	618,4	997,9	4,0	42,1
14	14	828,7	629,2	4,0	32,2

Koniec danych

Poziom hałasu w sieci

L_Aeq . pory nocy

Nr	Współrzędne punktów			Poziom dźwięku
punktu	x	y	z	w porze nocy
	m	m	m	dB(A)
1	0.00	0.00	4.0	26.44
2	0.00	60.00	4.0	26.73
3	0.00	120.00	4.0	27.04
4	0.00	180.00	4.0	27.35
5	0.00	240.00	4.0	27.67
6	0.00	300.00	4.0	28.03
7	0.00	360.00	4.0	28.42
8	0.00	420.00	4.0	28.84
9	0.00	480.00	4.0	29.31
10	0.00	540.00	4.0	29.81
11	0.00	600.00	4.0	30.31
12	0.00	660.00	4.0	30.96

13	0.00	720.00	4.0	31.70
14	0.00	780.00	4.0	32.35
15	0.00	840.00	4.0	32.48
16	0.00	900.00	4.0	32.72
17	0.00	960.00	4.0	33.06
18	0.00	1020.00	4.0	32.90
19	0.00	1080.00	4.0	33.97
20	0.00	1140.00	4.0	34.02
21	0.00	1200.00	4.0	34.25
22	0.00	1260.00	4.0	34.85
23	0.00	1320.00	4.0	35.60
24	0.00	1380.00	4.0	36.53
25	0.00	1440.00	4.0	37.82
26	0.00	1500.00	4.0	38.68
27	0.00	1560.00	4.0	39.87
28	0.00	1620.00	4.0	40.32
29	0.00	1680.00	4.0	40.03
30	0.00	1740.00	4.0	41.58
31	0.00	1800.00	4.0	42.48
32	0.00	1860.00	4.0	42.06
33	0.00	1920.00	4.0	41.75
34	0.00	1980.00	4.0	41.42
35	0.00	2040.00	4.0	40.89
36	0.00	2100.00	4.0	39.60
37	0.00	2160.00	4.0	39.03
38	60.00	0.00	4.0	26.86
39	60.00	60.00	4.0	27.13
40	60.00	120.00	4.0	27.42
41	60.00	180.00	4.0	27.72
42	60.00	240.00	4.0	28.04
43	60.00	300.00	4.0	28.37
44	60.00	360.00	4.0	28.72
45	60.00	420.00	4.0	29.10
46	60.00	480.00	4.0	29.52
47	60.00	540.00	4.0	29.99
48	60.00	600.00	4.0	30.50
49	60.00	660.00	4.0	31.08
50	60.00	720.00	4.0	31.66
51	60.00	780.00	4.0	32.43
52	60.00	840.00	4.0	33.28
53	60.00	900.00	4.0	33.42
54	60.00	960.00	4.0	33.66
55	60.00	1020.00	4.0	34.00
56	60.00	1080.00	4.0	34.50
57	60.00	1140.00	4.0	34.93
58	60.00	1200.00	4.0	34.99
59	60.00	1260.00	4.0	35.38
60	60.00	1320.00	4.0	36.16
61	60.00	1380.00	4.0	37.05
62	60.00	1440.00	4.0	38.31
63	60.00	1500.00	4.0	39.42
64	60.00	1560.00	4.0	40.43
65	60.00	1620.00	4.0	41.21
66	60.00	1680.00	4.0	40.89
67	60.00	1740.00	4.0	42.45
68	60.00	1800.00	4.0	43.30
69	60.00	1860.00	4.0	42.86
70	60.00	1920.00	4.0	42.52
71	60.00	1980.00	4.0	41.99
72	60.00	2040.00	4.0	41.59
73	60.00	2100.00	4.0	40.13
74	60.00	2160.00	4.0	39.61
75	120.00	0.00	4.0	27.38
76	120.00	60.00	4.0	27.63
77	120.00	120.00	4.0	27.89
78	120.00	180.00	4.0	28.17
79	120.00	240.00	4.0	28.47
80	120.00	300.00	4.0	28.78
81	120.00	360.00	4.0	29.13
82	120.00	420.00	4.0	29.47
83	120.00	480.00	4.0	29.84
84	120.00	540.00	4.0	30.25
85	120.00	600.00	4.0	30.72
86	120.00	660.00	4.0	31.25

87	120.00	720.00	4.0	31.82
88	120.00	780.00	4.0	32.41
89	120.00	840.00	4.0	33.21
90	120.00	900.00	4.0	34.09
91	120.00	960.00	4.0	34.44
92	120.00	1020.00	4.0	34.68
93	120.00	1080.00	4.0	35.00
94	120.00	1140.00	4.0	35.57
95	120.00	1200.00	4.0	35.90
96	120.00	1260.00	4.0	36.08
97	120.00	1320.00	4.0	36.74
98	120.00	1380.00	4.0	37.62
99	120.00	1440.00	4.0	38.97
100	120.00	1500.00	4.0	40.16
101	120.00	1560.00	4.0	41.39
102	120.00	1620.00	4.0	42.20
103	120.00	1680.00	4.0	41.83
104	120.00	1740.00	4.0	43.37
105	120.00	1800.00	4.0	44.20
106	120.00	1860.00	4.0	43.71
107	120.00	1920.00	4.0	43.34
108	120.00	1980.00	4.0	42.76
109	120.00	2040.00	4.0	41.37
110	120.00	2100.00	4.0	40.73
111	120.00	2160.00	4.0	40.24
112	180.00	0.00	4.0	27.94
113	180.00	60.00	4.0	28.20
114	180.00	120.00	4.0	28.47
115	180.00	180.00	4.0	28.74
116	180.00	240.00	4.0	29.01
117	180.00	300.00	4.0	29.30
118	180.00	360.00	4.0	29.60
119	180.00	420.00	4.0	29.93
120	180.00	480.00	4.0	30.29
121	180.00	540.00	4.0	30.66
122	180.00	600.00	4.0	31.06
123	180.00	660.00	4.0	31.52
124	180.00	720.00	4.0	32.04
125	180.00	780.00	4.0	32.63
126	180.00	840.00	4.0	33.30
127	180.00	900.00	4.0	34.03
128	180.00	960.00	4.0	34.97
129	180.00	1020.00	4.0	35.57
130	180.00	1080.00	4.0	35.80
131	180.00	1140.00	4.0	36.09
132	180.00	1200.00	4.0	36.77
133	180.00	1260.00	4.0	36.99
134	180.00	1320.00	4.0	37.38
135	180.00	1380.00	4.0	38.24
136	180.00	1440.00	4.0	39.54
137	180.00	1500.00	4.0	41.06
138	180.00	1560.00	4.0	42.13
139	180.00	1620.00	4.0	43.26
140	180.00	1680.00	4.0	42.86
141	180.00	1740.00	4.0	45.50
142	180.00	1800.00	4.0	45.17
143	180.00	1860.00	4.0	44.63
144	180.00	1920.00	4.0	44.05
145	180.00	1980.00	4.0	43.59
146	180.00	2040.00	4.0	41.98
147	180.00	2100.00	4.0	41.41
148	180.00	2160.00	4.0	42.41
149	240.00	0.00	4.0	28.56
150	240.00	60.00	4.0	28.85
151	240.00	120.00	4.0	29.14
152	240.00	180.00	4.0	29.37
153	240.00	240.00	4.0	29.65
154	240.00	300.00	4.0	29.94
155	240.00	360.00	4.0	30.23
156	240.00	420.00	4.0	30.53
157	240.00	480.00	4.0	30.85
158	240.00	540.00	4.0	31.19
159	240.00	600.00	4.0	31.57
160	240.00	660.00	4.0	31.97

161	240.00	720.00	4.0	32.41
162	240.00	780.00	4.0	32.92
163	240.00	840.00	4.0	33.51
164	240.00	900.00	4.0	34.19
165	240.00	960.00	4.0	34.93
166	240.00	1020.00	4.0	35.95
167	240.00	1080.00	4.0	36.82
168	240.00	1140.00	4.0	37.02
169	240.00	1200.00	4.0	37.28
170	240.00	1260.00	4.0	38.18
171	240.00	1320.00	4.0	38.29
172	240.00	1380.00	4.0	39.03
173	240.00	1440.00	4.0	40.14
174	240.00	1500.00	4.0	42.07
175	240.00	1560.00	4.0	43.23
176	240.00	1620.00	4.0	44.42
177	240.00	1680.00	4.0	44.02
178	240.00	1740.00	4.0	46.60
179	240.00	1800.00	4.0	46.08
180	240.00	1860.00	4.0	45.64
181	240.00	1920.00	4.0	44.99
182	240.00	1980.00	4.0	43.43
183	240.00	2040.00	4.0	42.71
184	240.00	2100.00	4.0	43.61
185	240.00	2160.00	4.0	42.95
186	300.00	0.00	4.0	29.09
187	300.00	60.00	4.0	29.42
188	300.00	120.00	4.0	29.74
189	300.00	180.00	4.0	30.07
190	300.00	240.00	4.0	30.38
191	300.00	300.00	4.0	30.70
192	300.00	360.00	4.0	30.96
193	300.00	420.00	4.0	31.26
194	300.00	480.00	4.0	31.57
195	300.00	540.00	4.0	31.90
196	300.00	600.00	4.0	32.23
197	300.00	660.00	4.0	32.59
198	300.00	720.00	4.0	32.99
199	300.00	780.00	4.0	33.43
200	300.00	840.00	4.0	33.91
201	300.00	900.00	4.0	34.49
202	300.00	960.00	4.0	35.19
203	300.00	1020.00	4.0	36.01
204	300.00	1080.00	4.0	36.98
205	300.00	1140.00	4.0	38.25
206	300.00	1200.00	4.0	38.41
207	300.00	1260.00	4.0	38.61
208	300.00	1320.00	4.0	39.61
209	300.00	1380.00	4.0	39.83
210	300.00	1440.00	4.0	40.88
211	300.00	1500.00	4.0	42.84
212	300.00	1560.00	4.0	44.44
213	300.00	1620.00	4.0	45.73
214	300.00	1680.00	4.0	45.32
215	300.00	1740.00	4.0	47.83
216	300.00	1800.00	4.0	47.25
217	300.00	1860.00	4.0	46.76
218	300.00	1920.00	4.0	45.11
219	300.00	1980.00	4.0	44.17
220	300.00	2040.00	4.0	44.96
221	300.00	2100.00	4.0	44.20
222	300.00	2160.00	4.0	43.45
223	360.00	0.00	4.0	29.53
224	360.00	60.00	4.0	29.87
225	360.00	120.00	4.0	30.26
226	360.00	180.00	4.0	30.63
227	360.00	240.00	4.0	31.00
228	360.00	300.00	4.0	31.37
229	360.00	360.00	4.0	31.74
230	360.00	420.00	4.0	32.09
231	360.00	480.00	4.0	32.45
232	360.00	540.00	4.0	32.80
233	360.00	600.00	4.0	33.08
234	360.00	660.00	4.0	33.43

235	360.00	720.00	4.0	33.79
236	360.00	780.00	4.0	34.17
237	360.00	840.00	4.0	34.60
238	360.00	900.00	4.0	35.08
239	360.00	960.00	4.0	35.62
240	360.00	1020.00	4.0	36.30
241	360.00	1080.00	4.0	37.14
242	360.00	1140.00	4.0	38.13
243	360.00	1200.00	4.0	39.56
244	360.00	1260.00	4.0	39.93
245	360.00	1320.00	4.0	40.15
246	360.00	1380.00	4.0	41.14
247	360.00	1440.00	4.0	41.95
248	360.00	1500.00	4.0	43.73
249	360.00	1560.00	4.0	45.80
250	360.00	1620.00	4.0	47.07
251	360.00	1680.00	4.0	46.77
252	360.00	1740.00	4.0	49.23
253	360.00	1800.00	4.0	48.57
254	360.00	1860.00	4.0	47.82
255	360.00	1920.00	4.0	45.91
256	360.00	1980.00	4.0	46.48
257	360.00	2040.00	4.0	45.61
258	360.00	2100.00	4.0	44.74
259	360.00	2160.00	4.0	43.96
260	420.00	0.00	4.0	32.37
261	420.00	60.00	4.0	32.80
262	420.00	120.00	4.0	33.24
263	420.00	180.00	4.0	33.67
264	420.00	240.00	4.0	31.47
265	420.00	300.00	4.0	31.92
266	420.00	360.00	4.0	32.33
267	420.00	420.00	4.0	32.77
268	420.00	480.00	4.0	33.20
269	420.00	540.00	4.0	33.63
270	420.00	600.00	4.0	34.06
271	420.00	660.00	4.0	34.47
272	420.00	720.00	4.0	34.87
273	420.00	780.00	4.0	35.20
274	420.00	840.00	4.0	35.60
275	420.00	900.00	4.0	36.02
276	420.00	960.00	4.0	36.47
277	420.00	1020.00	4.0	37.00
278	420.00	1080.00	4.0	37.63
279	420.00	1140.00	4.0	38.46
280	420.00	1200.00	4.0	39.46
281	420.00	1260.00	4.0	40.98
282	420.00	1320.00	4.0	41.83
283	420.00	1380.00	4.0	41.93
284	420.00	1440.00	4.0	43.12
285	420.00	1500.00	4.0	44.63
286	420.00	1560.00	4.0	47.32
287	420.00	1620.00	4.0	48.49
288	420.00	1680.00	4.0	50.15
289	420.00	1740.00	4.0	50.87
290	420.00	1800.00	4.0	50.12
291	420.00	1860.00	4.0	48.09
292	420.00	1920.00	4.0	48.26
293	420.00	1980.00	4.0	47.22
294	420.00	2040.00	4.0	46.20
295	420.00	2100.00	4.0	45.32
296	420.00	2160.00	4.0	44.69
297	480.00	0.00	4.0	29.80
298	480.00	60.00	4.0	30.24
299	480.00	120.00	4.0	30.70
300	480.00	180.00	4.0	31.17
301	480.00	240.00	4.0	31.65
302	480.00	300.00	4.0	32.14
303	480.00	360.00	4.0	35.30
304	480.00	420.00	4.0	35.83
305	480.00	480.00	4.0	36.35
306	480.00	540.00	4.0	34.24
307	480.00	600.00	4.0	34.75
308	480.00	660.00	4.0	35.30

309	480.00	720.00	4.0	35.84
310	480.00	780.00	4.0	36.36
311	480.00	840.00	4.0	36.87
312	480.00	900.00	4.0	37.36
313	480.00	960.00	4.0	37.77
314	480.00	1020.00	4.0	38.24
315	480.00	1080.00	4.0	38.75
316	480.00	1140.00	4.0	39.34
317	480.00	1200.00	4.0	40.09
318	480.00	1260.00	4.0	41.18
319	480.00	1320.00	4.0	42.70
320	480.00	1380.00	4.0	44.19
321	480.00	1440.00	4.0	45.12
322	480.00	1500.00	4.0	46.14
323	480.00	1560.00	4.0	49.14
324	480.00	1620.00	4.0	50.31
325	480.00	1680.00	4.0	52.22
326	480.00	1740.00	4.0	52.71
327	480.00	1800.00	4.0	51.65
328	480.00	1860.00	4.0	50.42
329	480.00	1920.00	4.0	49.09
330	480.00	1980.00	4.0	47.88
331	480.00	2040.00	4.0	46.86
332	480.00	2100.00	4.0	46.12
333	480.00	2160.00	4.0	45.34
334	540.00	0.00	4.0	31.66
335	540.00	60.00	4.0	32.12
336	540.00	120.00	4.0	32.59
337	540.00	180.00	4.0	33.08
338	540.00	240.00	4.0	33.59
339	540.00	300.00	4.0	34.11
340	540.00	360.00	4.0	34.64
341	540.00	420.00	4.0	33.25
342	540.00	480.00	4.0	33.82
343	540.00	540.00	4.0	34.42
344	540.00	600.00	4.0	35.03
345	540.00	660.00	4.0	35.67
346	540.00	720.00	4.0	36.32
347	540.00	780.00	4.0	39.68
348	540.00	840.00	4.0	40.42
349	540.00	900.00	4.0	38.43
350	540.00	960.00	4.0	39.16
351	540.00	1020.00	4.0	39.87
352	540.00	1080.00	4.0	40.53
353	540.00	1140.00	4.0	41.09
354	540.00	1200.00	4.0	41.69
355	540.00	1260.00	4.0	42.38
356	540.00	1320.00	4.0	43.33
357	540.00	1380.00	4.0	44.84
358	540.00	1440.00	4.0	47.41
359	540.00	1500.00	4.0	48.46
360	540.00	1560.00	4.0	51.49
361	540.00	1620.00	4.0	53.00
362	540.00	1680.00	4.0	54.93
363	540.00	1740.00	4.0	56.23
364	540.00	1800.00	4.0	53.19
365	540.00	1860.00	4.0	51.37
366	540.00	1920.00	4.0	49.85
367	540.00	1980.00	4.0	48.84
368	540.00	2040.00	4.0	47.85
369	540.00	2100.00	4.0	47.50
370	540.00	2160.00	4.0	46.45
371	600.00	0.00	4.0	31.53
372	600.00	60.00	4.0	31.99
373	600.00	120.00	4.0	32.46
374	600.00	180.00	4.0	32.94
375	600.00	240.00	4.0	33.44
376	600.00	300.00	4.0	33.96
377	600.00	360.00	4.0	34.50
378	600.00	420.00	4.0	35.05
379	600.00	480.00	4.0	35.65
380	600.00	540.00	4.0	36.26
381	600.00	600.00	4.0	36.90
382	600.00	660.00	4.0	37.57

383	600.00	720.00	4.0	38.28
384	600.00	780.00	4.0	39.02
385	600.00	840.00	4.0	39.82
386	600.00	900.00	4.0	38.67
387	600.00	960.00	4.0	39.60
388	600.00	1020.00	4.0	40.57
389	600.00	1080.00	4.0	41.57
390	600.00	1140.00	4.0	45.38
391	600.00	1200.00	4.0	43.81
392	600.00	1260.00	4.0	45.00
393	600.00	1320.00	4.0	46.01
394	600.00	1380.00	4.0	46.92
395	600.00	1440.00	4.0	48.23
396	600.00	1500.00	4.0	51.72
397	600.00	1560.00	4.0	53.61
398	600.00	1620.00	4.0	59.44
399	600.00	1680.00	4.0	60.95
400	600.00	1740.00	4.0	58.32
401	600.00	1800.00	4.0	54.33
402	600.00	1860.00	4.0	52.31
403	600.00	1920.00	4.0	51.14
404	600.00	1980.00	4.0	50.49
405	600.00	2040.00	4.0	49.10
406	600.00	2100.00	4.0	47.86
407	600.00	2160.00	4.0	46.75
408	660.00	0.00	4.0	28.46
409	660.00	60.00	4.0	28.91
410	660.00	120.00	4.0	29.37
411	660.00	180.00	4.0	29.85
412	660.00	240.00	4.0	30.37
413	660.00	300.00	4.0	30.90
414	660.00	360.00	4.0	31.43
415	660.00	420.00	4.0	31.98
416	660.00	480.00	4.0	32.55
417	660.00	540.00	4.0	33.15
418	660.00	600.00	4.0	33.77
419	660.00	660.00	4.0	34.43
420	660.00	720.00	4.0	35.13
421	660.00	780.00	4.0	35.87
422	660.00	840.00	4.0	36.65
423	660.00	900.00	4.0	37.49
424	660.00	960.00	4.0	38.38
425	660.00	1020.00	4.0	42.56
426	660.00	1080.00	4.0	43.64
427	660.00	1140.00	4.0	44.85
428	660.00	1200.00	4.0	46.20
429	660.00	1260.00	4.0	47.76
430	660.00	1320.00	4.0	49.59
431	660.00	1380.00	4.0	51.84
432	660.00	1440.00	4.0	50.51
433	660.00	1500.00	4.0	44.77
434	660.00	1560.00	4.0	60.07
435	660.00	1620.00	4.0	68.96
436	660.00	1680.00	4.0	64.78
437	660.00	1740.00	4.0	53.48
438	660.00	1800.00	4.0	53.19
439	660.00	1860.00	4.0	52.64
440	660.00	1920.00	4.0	50.77
441	660.00	1980.00	4.0	50.79
442	660.00	2040.00	4.0	49.32
443	660.00	2100.00	4.0	48.03
444	660.00	2160.00	4.0	46.89
445	720.00	0.00	4.0	27.64
446	720.00	60.00	4.0	28.08
447	720.00	120.00	4.0	28.52
448	720.00	180.00	4.0	28.98
449	720.00	240.00	4.0	29.44
450	720.00	300.00	4.0	29.93
451	720.00	360.00	4.0	30.44
452	720.00	420.00	4.0	30.98
453	720.00	480.00	4.0	31.54
454	720.00	540.00	4.0	32.11
455	720.00	600.00	4.0	32.70
456	720.00	660.00	4.0	33.32

457	720.00	720.00	4.0	33.97
458	720.00	780.00	4.0	34.66
459	720.00	840.00	4.0	35.39
460	720.00	900.00	4.0	36.17
461	720.00	960.00	4.0	37.00
462	720.00	1020.00	4.0	37.89
463	720.00	1080.00	4.0	38.87
464	720.00	1140.00	4.0	39.95
465	720.00	1200.00	4.0	41.15
466	720.00	1260.00	4.0	42.55
467	720.00	1320.00	4.0	44.21
468	720.00	1380.00	4.0	46.36
469	720.00	1440.00	4.0	49.38
470	720.00	1500.00	4.0	45.90
471	720.00	1560.00	4.0	-0.11
472	720.00	1620.00	4.0	58.18
473	720.00	1680.00	4.0	77.07
474	720.00	1740.00	4.0	61.35
475	720.00	1800.00	4.0	57.10
476	720.00	1860.00	4.0	54.70
477	720.00	1920.00	4.0	52.59
478	720.00	1980.00	4.0	50.84
479	720.00	2040.00	4.0	49.36
480	720.00	2100.00	4.0	48.06
481	720.00	2160.00	4.0	46.92
482	780.00	0.00	4.0	27.32
483	780.00	60.00	4.0	27.74
484	780.00	120.00	4.0	28.17
485	780.00	180.00	4.0	28.62
486	780.00	240.00	4.0	29.08
487	780.00	300.00	4.0	29.56
488	780.00	360.00	4.0	30.05
489	780.00	420.00	4.0	30.56
490	780.00	480.00	4.0	31.07
491	780.00	540.00	4.0	31.56
492	780.00	600.00	4.0	32.14
493	780.00	660.00	4.0	32.75
494	780.00	720.00	4.0	33.39
495	780.00	780.00	4.0	34.06
496	780.00	840.00	4.0	34.78
497	780.00	900.00	4.0	35.55
498	780.00	960.00	4.0	36.38
499	780.00	1020.00	4.0	37.31
500	780.00	1080.00	4.0	38.39
501	780.00	1140.00	4.0	39.42
502	780.00	1200.00	4.0	40.87
503	780.00	1260.00	4.0	42.56
504	780.00	1320.00	4.0	44.87
505	780.00	1380.00	4.0	46.96
506	780.00	1440.00	4.0	46.67
507	780.00	1500.00	4.0	48.46
508	780.00	1560.00	4.0	-0.17
509	780.00	1620.00	4.0	56.92
510	780.00	1680.00	4.0	60.53
511	780.00	1740.00	4.0	58.40
512	780.00	1800.00	4.0	54.85
513	780.00	1860.00	4.0	53.77
514	780.00	1920.00	4.0	51.84
515	780.00	1980.00	4.0	50.20
516	780.00	2040.00	4.0	48.79
517	780.00	2100.00	4.0	47.55
518	780.00	2160.00	4.0	46.44
519	840.00	0.00	4.0	26.96
520	840.00	60.00	4.0	27.37
521	840.00	120.00	4.0	27.80
522	840.00	180.00	4.0	28.24
523	840.00	240.00	4.0	28.70
524	840.00	300.00	4.0	29.17
525	840.00	360.00	4.0	29.66
526	840.00	420.00	4.0	30.16
527	840.00	480.00	4.0	30.70
528	840.00	540.00	4.0	31.26
529	840.00	600.00	4.0	31.84
530	840.00	660.00	4.0	32.50

531	840.00	720.00	4.0	33.11
532	840.00	780.00	4.0	33.82
533	840.00	840.00	4.0	34.59
534	840.00	900.00	4.0	35.43
535	840.00	960.00	4.0	36.29
536	840.00	1020.00	4.0	37.34
537	840.00	1080.00	4.0	38.59
538	840.00	1140.00	4.0	40.05
539	840.00	1200.00	4.0	41.80
540	840.00	1260.00	4.0	42.89
541	840.00	1320.00	4.0	42.91
542	840.00	1380.00	4.0	43.35
543	840.00	1440.00	4.0	45.58
544	840.00	1500.00	4.0	44.90
545	840.00	1560.00	4.0	47.86
546	840.00	1620.00	4.0	51.91
547	840.00	1680.00	4.0	55.87
548	840.00	1740.00	4.0	54.43
549	840.00	1800.00	4.0	53.98
550	840.00	1860.00	4.0	52.79
551	840.00	1920.00	4.0	51.16
552	840.00	1980.00	4.0	49.72
553	840.00	2040.00	4.0	48.43
554	840.00	2100.00	4.0	47.27
555	840.00	2160.00	4.0	46.21
556	900.00	0.00	4.0	26.73
557	900.00	60.00	4.0	27.15
558	900.00	120.00	4.0	27.58
559	900.00	180.00	4.0	27.94
560	900.00	240.00	4.0	28.42
561	900.00	300.00	4.0	28.94
562	900.00	360.00	4.0	29.47
563	900.00	420.00	4.0	30.00
564	900.00	480.00	4.0	30.56
565	900.00	540.00	4.0	31.14
566	900.00	600.00	4.0	31.77
567	900.00	660.00	4.0	32.34
568	900.00	720.00	4.0	33.04
569	900.00	780.00	4.0	33.82
570	900.00	840.00	4.0	34.71
571	900.00	900.00	4.0	35.66
572	900.00	960.00	4.0	36.76
573	900.00	1020.00	4.0	38.01
574	900.00	1080.00	4.0	39.34
575	900.00	1140.00	4.0	40.02
576	900.00	1200.00	4.0	40.17
577	900.00	1260.00	4.0	40.34
578	900.00	1320.00	4.0	41.13
579	900.00	1380.00	4.0	42.96
580	900.00	1440.00	4.0	43.15
581	900.00	1500.00	4.0	43.87
582	900.00	1560.00	4.0	47.49
583	900.00	1620.00	4.0	49.87
584	900.00	1680.00	4.0	52.94
585	900.00	1740.00	4.0	51.80
586	900.00	1800.00	4.0	51.64
587	900.00	1860.00	4.0	51.62
588	900.00	1920.00	4.0	50.30
589	900.00	1980.00	4.0	49.07
590	900.00	2040.00	4.0	47.92
591	900.00	2100.00	4.0	46.86
592	900.00	2160.00	4.0	45.88
593	960.00	0.00	4.0	26.59
594	960.00	60.00	4.0	27.02
595	960.00	120.00	4.0	27.47
596	960.00	180.00	4.0	27.93
597	960.00	240.00	4.0	28.41
598	960.00	300.00	4.0	28.91
599	960.00	360.00	4.0	29.47
600	960.00	420.00	4.0	29.87
601	960.00	480.00	4.0	30.47
602	960.00	540.00	4.0	31.10
603	960.00	600.00	4.0	31.80
604	960.00	660.00	4.0	32.52

605	960.00	720.00	4.0	33.32
606	960.00	780.00	4.0	34.21
607	960.00	840.00	4.0	35.19
608	960.00	900.00	4.0	36.26
609	960.00	960.00	4.0	37.22
610	960.00	1020.00	4.0	37.75
611	960.00	1080.00	4.0	37.98
612	960.00	1140.00	4.0	38.06
613	960.00	1200.00	4.0	38.42
614	960.00	1260.00	4.0	39.40
615	960.00	1320.00	4.0	40.96
616	960.00	1380.00	4.0	41.35
617	960.00	1440.00	4.0	41.32
618	960.00	1500.00	4.0	43.61
619	960.00	1560.00	4.0	46.83
620	960.00	1620.00	4.0	48.16
621	960.00	1680.00	4.0	51.53
622	960.00	1740.00	4.0	49.75
623	960.00	1800.00	4.0	49.75
624	960.00	1860.00	4.0	49.41
625	960.00	1920.00	4.0	49.36
626	960.00	1980.00	4.0	48.32
627	960.00	2040.00	4.0	47.32
628	960.00	2100.00	4.0	46.37
629	960.00	2160.00	4.0	45.46
630	1020.00	0.00	4.0	26.54
631	1020.00	60.00	4.0	26.99
632	1020.00	120.00	4.0	27.32
633	1020.00	180.00	4.0	27.81
634	1020.00	240.00	4.0	28.32
635	1020.00	300.00	4.0	28.85
636	1020.00	360.00	4.0	29.35
637	1020.00	420.00	4.0	30.01
638	1020.00	480.00	4.0	30.65
639	1020.00	540.00	4.0	31.34
640	1020.00	600.00	4.0	32.10
641	1020.00	660.00	4.0	32.90
642	1020.00	720.00	4.0	33.78
643	1020.00	780.00	4.0	34.66
644	1020.00	840.00	4.0	35.40
645	1020.00	900.00	4.0	35.84
646	1020.00	960.00	4.0	36.12
647	1020.00	1020.00	4.0	36.20
648	1020.00	1080.00	4.0	36.39
649	1020.00	1140.00	4.0	36.89
650	1020.00	1200.00	4.0	37.86
651	1020.00	1260.00	4.0	39.29
652	1020.00	1320.00	4.0	39.69
653	1020.00	1380.00	4.0	39.77
654	1020.00	1440.00	4.0	40.89
655	1020.00	1500.00	4.0	43.33
656	1020.00	1560.00	4.0	47.03
657	1020.00	1620.00	4.0	46.94
658	1020.00	1680.00	4.0	49.97
659	1020.00	1740.00	4.0	48.72
660	1020.00	1800.00	4.0	48.23
661	1020.00	1860.00	4.0	48.05
662	1020.00	1920.00	4.0	47.34
663	1020.00	1980.00	4.0	47.53
664	1020.00	2040.00	4.0	46.66
665	1020.00	2100.00	4.0	45.81
666	1020.00	2160.00	4.0	44.99
667	1080.00	0.00	4.0	26.45
668	1080.00	60.00	4.0	26.91
669	1080.00	120.00	4.0	27.39
670	1080.00	180.00	4.0	27.92
671	1080.00	240.00	4.0	28.44
672	1080.00	300.00	4.0	29.01
673	1080.00	360.00	4.0	29.62
674	1080.00	420.00	4.0	30.28
675	1080.00	480.00	4.0	30.97
676	1080.00	540.00	4.0	31.71
677	1080.00	600.00	4.0	32.50
678	1080.00	660.00	4.0	33.28

679	1080.00	720.00	4.0	33.81
680	1080.00	780.00	4.0	34.21
681	1080.00	840.00	4.0	34.50
682	1080.00	900.00	4.0	34.58
683	1080.00	960.00	4.0	34.71
684	1080.00	1020.00	4.0	35.01
685	1080.00	1080.00	4.0	35.58
686	1080.00	1140.00	4.0	36.51
687	1080.00	1200.00	4.0	37.77
688	1080.00	1260.00	4.0	38.15
689	1080.00	1320.00	4.0	38.48
690	1080.00	1380.00	4.0	39.04
691	1080.00	1440.00	4.0	40.71
692	1080.00	1500.00	4.0	43.01
693	1080.00	1560.00	4.0	49.71
694	1080.00	1620.00	4.0	45.81
695	1080.00	1680.00	4.0	48.77
696	1080.00	1740.00	4.0	47.80
697	1080.00	1800.00	4.0	47.30
698	1080.00	1860.00	4.0	46.79
699	1080.00	1920.00	4.0	46.27
700	1080.00	1980.00	4.0	45.63
701	1080.00	2040.00	4.0	45.97
702	1080.00	2100.00	4.0	45.22
703	1080.00	2160.00	4.0	44.48
704	1140.00	0.00	4.0	26.53
705	1140.00	60.00	4.0	27.03
706	1140.00	120.00	4.0	27.54
707	1140.00	180.00	4.0	28.09
708	1140.00	240.00	4.0	28.67
709	1140.00	300.00	4.0	29.28
710	1140.00	360.00	4.0	29.92
711	1140.00	420.00	4.0	30.61
712	1140.00	480.00	4.0	31.28
713	1140.00	540.00	4.0	32.02
714	1140.00	600.00	4.0	32.39
715	1140.00	660.00	4.0	32.76
716	1140.00	720.00	4.0	33.07
717	1140.00	780.00	4.0	33.15
718	1140.00	840.00	4.0	33.25
719	1140.00	900.00	4.0	33.46
720	1140.00	960.00	4.0	33.81
721	1140.00	1020.00	4.0	34.40
722	1140.00	1080.00	4.0	35.31
723	1140.00	1140.00	4.0	36.43
724	1140.00	1200.00	4.0	36.74
725	1140.00	1260.00	4.0	37.27
726	1140.00	1320.00	4.0	37.60
727	1140.00	1380.00	4.0	38.46
728	1140.00	1440.00	4.0	40.23
729	1140.00	1500.00	4.0	42.55
730	1140.00	1560.00	4.0	50.81
731	1140.00	1620.00	4.0	44.97
732	1140.00	1680.00	4.0	47.58
733	1140.00	1740.00	4.0	46.60
734	1140.00	1800.00	4.0	46.12
735	1140.00	1860.00	4.0	45.66
736	1140.00	1920.00	4.0	45.21
737	1140.00	1980.00	4.0	44.72
738	1140.00	2040.00	4.0	44.16
739	1140.00	2100.00	4.0	44.61
740	1140.00	2160.00	4.0	43.94
741	1200.00	0.00	4.0	26.70
742	1200.00	60.00	4.0	27.22
743	1200.00	120.00	4.0	27.77
744	1200.00	180.00	4.0	28.34
745	1200.00	240.00	4.0	28.95
746	1200.00	300.00	4.0	29.58
747	1200.00	360.00	4.0	30.19
748	1200.00	420.00	4.0	30.78
749	1200.00	480.00	4.0	31.11
750	1200.00	540.00	4.0	31.45
751	1200.00	600.00	4.0	31.77
752	1200.00	660.00	4.0	31.86

753	1200.00	720.00	4.0	31.95
754	1200.00	780.00	4.0	32.10
755	1200.00	840.00	4.0	32.35
756	1200.00	900.00	4.0	32.75
757	1200.00	960.00	4.0	33.34
758	1200.00	1020.00	4.0	34.19
759	1200.00	1080.00	4.0	35.22
760	1200.00	1140.00	4.0	35.48
761	1200.00	1200.00	4.0	35.92
762	1200.00	1260.00	4.0	36.55
763	1200.00	1320.00	4.0	36.87
764	1200.00	1380.00	4.0	37.92
765	1200.00	1440.00	4.0	39.76
766	1200.00	1500.00	4.0	41.73
767	1200.00	1560.00	4.0	47.91
768	1200.00	1620.00	4.0	44.59
769	1200.00	1680.00	4.0	45.71
770	1200.00	1740.00	4.0	45.52
771	1200.00	1800.00	4.0	45.05
772	1200.00	1860.00	4.0	44.64
773	1200.00	1920.00	4.0	44.22
774	1200.00	1980.00	4.0	43.82
775	1200.00	2040.00	4.0	43.38
776	1200.00	2100.00	4.0	42.86
777	1200.00	2160.00	4.0	43.39
778	1260.00	0.00	4.0	26.92
779	1260.00	60.00	4.0	27.46
780	1260.00	120.00	4.0	28.03
781	1260.00	180.00	4.0	28.57
782	1260.00	240.00	4.0	29.17
783	1260.00	300.00	4.0	29.64
784	1260.00	360.00	4.0	29.94
785	1260.00	420.00	4.0	30.26
786	1260.00	480.00	4.0	30.57
787	1260.00	540.00	4.0	30.67
788	1260.00	600.00	4.0	30.76
789	1260.00	660.00	4.0	30.88
790	1260.00	720.00	4.0	31.08
791	1260.00	780.00	4.0	31.36
792	1260.00	840.00	4.0	31.78
793	1260.00	900.00	4.0	32.38
794	1260.00	960.00	4.0	33.17
795	1260.00	1020.00	4.0	34.12
796	1260.00	1080.00	4.0	34.34
797	1260.00	1140.00	4.0	34.75
798	1260.00	1200.00	4.0	35.34
799	1260.00	1260.00	4.0	35.50
800	1260.00	1320.00	4.0	36.16
801	1260.00	1380.00	4.0	37.49
802	1260.00	1440.00	4.0	39.10
803	1260.00	1500.00	4.0	40.44
804	1260.00	1560.00	4.0	44.48
805	1260.00	1620.00	4.0	44.21
806	1260.00	1680.00	4.0	44.31
807	1260.00	1740.00	4.0	44.48
808	1260.00	1800.00	4.0	44.07
809	1260.00	1860.00	4.0	43.69
810	1260.00	1920.00	4.0	43.32
811	1260.00	1980.00	4.0	42.95
812	1260.00	2040.00	4.0	42.58
813	1260.00	2100.00	4.0	42.17
814	1260.00	2160.00	4.0	41.68
815	1320.00	0.00	4.0	27.15
816	1320.00	60.00	4.0	27.65
817	1320.00	120.00	4.0	28.21
818	1320.00	180.00	4.0	28.57
819	1320.00	240.00	4.0	28.86
820	1320.00	300.00	4.0	29.14
821	1320.00	360.00	4.0	29.45
822	1320.00	420.00	4.0	29.58
823	1320.00	480.00	4.0	29.66
824	1320.00	540.00	4.0	29.77
825	1320.00	600.00	4.0	29.94
826	1320.00	660.00	4.0	30.14

827	1320.00	720.00	4.0	30.46
828	1320.00	780.00	4.0	30.88
829	1320.00	840.00	4.0	31.47
830	1320.00	900.00	4.0	32.22
831	1320.00	960.00	4.0	33.11
832	1320.00	1020.00	4.0	33.29
833	1320.00	1080.00	4.0	33.69
834	1320.00	1140.00	4.0	34.32
835	1320.00	1200.00	4.0	34.44
836	1320.00	1260.00	4.0	34.88
837	1320.00	1320.00	4.0	35.50
838	1320.00	1380.00	4.0	36.76
839	1320.00	1440.00	4.0	37.97
840	1320.00	1500.00	4.0	39.05
841	1320.00	1560.00	4.0	40.44
842	1320.00	1620.00	4.0	40.60
843	1320.00	1680.00	4.0	42.71
844	1320.00	1740.00	4.0	43.47
845	1320.00	1800.00	4.0	43.13
846	1320.00	1860.00	4.0	42.80
847	1320.00	1920.00	4.0	42.47
848	1320.00	1980.00	4.0	42.13
849	1320.00	2040.00	4.0	41.79
850	1320.00	2100.00	4.0	41.43
851	1320.00	2160.00	4.0	41.07
852	1380.00	0.00	4.0	27.31
853	1380.00	60.00	4.0	27.58
854	1380.00	120.00	4.0	27.85
855	1380.00	180.00	4.0	28.12
856	1380.00	240.00	4.0	28.41
857	1380.00	300.00	4.0	28.57
858	1380.00	360.00	4.0	28.64
859	1380.00	420.00	4.0	28.75
860	1380.00	480.00	4.0	28.88
861	1380.00	540.00	4.0	29.06
862	1380.00	600.00	4.0	29.30
863	1380.00	660.00	4.0	29.62
864	1380.00	720.00	4.0	30.06
865	1380.00	780.00	4.0	30.62
866	1380.00	840.00	4.0	31.34
867	1380.00	900.00	4.0	32.16
868	1380.00	960.00	4.0	32.33
869	1380.00	1020.00	4.0	32.66
870	1380.00	1080.00	4.0	33.24
871	1380.00	1140.00	4.0	33.52
872	1380.00	1200.00	4.0	33.62
873	1380.00	1260.00	4.0	34.19
874	1380.00	1320.00	4.0	35.08
875	1380.00	1380.00	4.0	36.27
876	1380.00	1440.00	4.0	36.94
877	1380.00	1500.00	4.0	37.91
878	1380.00	1560.00	4.0	38.32
879	1380.00	1620.00	4.0	38.46
880	1380.00	1680.00	4.0	41.47
881	1380.00	1740.00	4.0	42.53
882	1380.00	1800.00	4.0	42.26
883	1380.00	1860.00	4.0	41.97
884	1380.00	1920.00	4.0	41.67
885	1380.00	1980.00	4.0	41.37
886	1380.00	2040.00	4.0	41.05
887	1380.00	2100.00	4.0	40.74
888	1380.00	2160.00	4.0	40.40
889	1440.00	0.00	4.0	26.91
890	1440.00	60.00	4.0	27.16
891	1440.00	120.00	4.0	27.43
892	1440.00	180.00	4.0	27.61
893	1440.00	240.00	4.0	27.69
894	1440.00	300.00	4.0	27.79
895	1440.00	360.00	4.0	27.91
896	1440.00	420.00	4.0	28.06
897	1440.00	480.00	4.0	28.26
898	1440.00	540.00	4.0	28.52
899	1440.00	600.00	4.0	28.85
900	1440.00	660.00	4.0	29.30

901	1440.00	720.00	4.0	29.83
902	1440.00	780.00	4.0	30.51
903	1440.00	840.00	4.0	31.28
904	1440.00	900.00	4.0	31.43
905	1440.00	960.00	4.0	31.73
906	1440.00	1020.00	4.0	32.27
907	1440.00	1080.00	4.0	32.58
908	1440.00	1140.00	4.0	32.65
909	1440.00	1200.00	4.0	33.08
910	1440.00	1260.00	4.0	33.54
911	1440.00	1320.00	4.0	34.62
912	1440.00	1380.00	4.0	35.60
913	1440.00	1440.00	4.0	36.00
914	1440.00	1500.00	4.0	36.74
915	1440.00	1560.00	4.0	37.10
916	1440.00	1620.00	4.0	37.16
917	1440.00	1680.00	4.0	40.43
918	1440.00	1740.00	4.0	41.67
919	1440.00	1800.00	4.0	41.44
920	1440.00	1860.00	4.0	41.19
921	1440.00	1920.00	4.0	40.92
922	1440.00	1980.00	4.0	40.64
923	1440.00	2040.00	4.0	40.35
924	1440.00	2100.00	4.0	40.06
925	1440.00	2160.00	4.0	39.75
926	1500.00	0.00	4.0	26.51
927	1500.00	60.00	4.0	26.71
928	1500.00	120.00	4.0	26.79
929	1500.00	180.00	4.0	26.88
930	1500.00	240.00	4.0	27.00
931	1500.00	300.00	4.0	27.13
932	1500.00	360.00	4.0	27.29
933	1500.00	420.00	4.0	27.51
934	1500.00	480.00	4.0	27.78
935	1500.00	540.00	4.0	28.13
936	1500.00	600.00	4.0	28.56
937	1500.00	660.00	4.0	29.08
938	1500.00	720.00	4.0	29.74
939	1500.00	780.00	4.0	30.45
940	1500.00	840.00	4.0	30.59
941	1500.00	900.00	4.0	30.86
942	1500.00	960.00	4.0	31.39
943	1500.00	1020.00	4.0	31.75
944	1500.00	1080.00	4.0	31.89
945	1500.00	1140.00	4.0	31.98
946	1500.00	1200.00	4.0	32.47
947	1500.00	1260.00	4.0	33.18
948	1500.00	1320.00	4.0	34.06
949	1500.00	1380.00	4.0	34.96
950	1500.00	1440.00	4.0	35.18
951	1500.00	1500.00	4.0	35.78
952	1500.00	1560.00	4.0	36.11
953	1500.00	1620.00	4.0	36.15
954	1500.00	1680.00	4.0	39.51
955	1500.00	1740.00	4.0	39.80
956	1500.00	1800.00	4.0	40.67
957	1500.00	1860.00	4.0	40.45
958	1500.00	1920.00	4.0	40.21
959	1500.00	1980.00	4.0	39.95
960	1500.00	2040.00	4.0	39.68
961	1500.00	2100.00	4.0	39.41
962	1500.00	2160.00	4.0	39.14
963	1560.00	0.00	4.0	25.94
964	1560.00	60.00	4.0	26.03
965	1560.00	120.00	4.0	26.14
966	1560.00	180.00	4.0	26.26
967	1560.00	240.00	4.0	26.40
968	1560.00	300.00	4.0	26.58
969	1560.00	360.00	4.0	26.81
970	1560.00	420.00	4.0	27.09
971	1560.00	480.00	4.0	27.45
972	1560.00	540.00	4.0	27.86
973	1560.00	600.00	4.0	28.37
974	1560.00	660.00	4.0	29.01

975	1560.00	720.00	4.0	29.67
976	1560.00	780.00	4.0	29.81
977	1560.00	840.00	4.0	30.06
978	1560.00	900.00	4.0	30.59
979	1560.00	960.00	4.0	30.97
980	1560.00	1020.00	4.0	31.08
981	1560.00	1080.00	4.0	31.12
982	1560.00	1140.00	4.0	31.52
983	1560.00	1200.00	4.0	31.86
984	1560.00	1260.00	4.0	32.83
985	1560.00	1320.00	4.0	33.63
986	1560.00	1380.00	4.0	34.12
987	1560.00	1440.00	4.0	34.42
988	1560.00	1500.00	4.0	34.92
989	1560.00	1560.00	4.0	36.18
990	1560.00	1620.00	4.0	35.27
991	1560.00	1680.00	4.0	38.46
992	1560.00	1740.00	4.0	38.99
993	1560.00	1800.00	4.0	39.95
994	1560.00	1860.00	4.0	39.74
995	1560.00	1920.00	4.0	39.53
996	1560.00	1980.00	4.0	39.29
997	1560.00	2040.00	4.0	39.05
998	1560.00	2100.00	4.0	38.79
999	1560.00	2160.00	4.0	38.54
1000	1620.00	0.00	4.0	25.32
1001	1620.00	60.00	4.0	25.44
1002	1620.00	120.00	4.0	25.57
1003	1620.00	180.00	4.0	25.72
1004	1620.00	240.00	4.0	25.92
1005	1620.00	300.00	4.0	26.15
1006	1620.00	360.00	4.0	26.44
1007	1620.00	420.00	4.0	26.79
1008	1620.00	480.00	4.0	27.20
1009	1620.00	540.00	4.0	27.70
1010	1620.00	600.00	4.0	28.31
1011	1620.00	660.00	4.0	28.93
1012	1620.00	720.00	4.0	29.06
1013	1620.00	780.00	4.0	29.30
1014	1620.00	840.00	4.0	29.81
1015	1620.00	900.00	4.0	30.15
1016	1620.00	960.00	4.0	30.31
1017	1620.00	1020.00	4.0	30.40
1018	1620.00	1080.00	4.0	30.54
1019	1620.00	1140.00	4.0	30.97
1020	1620.00	1200.00	4.0	31.51
1021	1620.00	1260.00	4.0	32.43
1022	1620.00	1320.00	4.0	33.12
1023	1620.00	1380.00	4.0	33.40
1024	1620.00	1440.00	4.0	34.07
1025	1620.00	1500.00	4.0	34.14
1026	1620.00	1560.00	4.0	35.42
1027	1620.00	1620.00	4.0	34.48
1028	1620.00	1680.00	4.0	37.69
1029	1620.00	1740.00	4.0	38.22
1030	1620.00	1800.00	4.0	39.26
1031	1620.00	1860.00	4.0	39.08
1032	1620.00	1920.00	4.0	38.88
1033	1620.00	1980.00	4.0	38.67
1034	1620.00	2040.00	4.0	38.44
1035	1620.00	2100.00	4.0	38.20
1036	1620.00	2160.00	4.0	37.96
1037	1680.00	0.00	4.0	24.78
1038	1680.00	60.00	4.0	24.90
1039	1680.00	120.00	4.0	25.09
1040	1680.00	180.00	4.0	25.29
1041	1680.00	240.00	4.0	25.53
1042	1680.00	300.00	4.0	25.83
1043	1680.00	360.00	4.0	26.17
1044	1680.00	420.00	4.0	26.57
1045	1680.00	480.00	4.0	27.06
1046	1680.00	540.00	4.0	27.64
1047	1680.00	600.00	4.0	28.23
1048	1680.00	660.00	4.0	28.36

1049	1680.00	720.00	4.0	28.57
1050	1680.00	780.00	4.0	29.05
1051	1680.00	840.00	4.0	29.39
1052	1680.00	900.00	4.0	29.61
1053	1680.00	960.00	4.0	29.75
1054	1680.00	1020.00	4.0	29.75
1055	1680.00	1080.00	4.0	30.14
1056	1680.00	1140.00	4.0	30.42
1057	1680.00	1200.00	4.0	31.20
1058	1680.00	1260.00	4.0	31.92
1059	1680.00	1320.00	4.0	32.65
1060	1680.00	1380.00	4.0	32.79
1061	1680.00	1440.00	4.0	33.45
1062	1680.00	1500.00	4.0	33.43
1063	1680.00	1560.00	4.0	34.72
1064	1680.00	1620.00	4.0	33.76
1065	1680.00	1680.00	4.0	36.97
1066	1680.00	1740.00	4.0	37.50
1067	1680.00	1800.00	4.0	38.62
1068	1680.00	1860.00	4.0	38.45
1069	1680.00	1920.00	4.0	38.26
1070	1680.00	1980.00	4.0	38.06
1071	1680.00	2040.00	4.0	37.86
1072	1680.00	2100.00	4.0	37.63
1073	1680.00	2160.00	4.0	37.40
1074	1740.00	0.00	4.0	24.30
1075	1740.00	60.00	4.0	24.48
1076	1740.00	120.00	4.0	24.69
1077	1740.00	180.00	4.0	24.94
1078	1740.00	240.00	4.0	25.24
1079	1740.00	300.00	4.0	25.57
1080	1740.00	360.00	4.0	25.97
1081	1740.00	420.00	4.0	26.44
1082	1740.00	480.00	4.0	27.00
1083	1740.00	540.00	4.0	27.57
1084	1740.00	600.00	4.0	27.69
1085	1740.00	660.00	4.0	27.89
1086	1740.00	720.00	4.0	28.34
1087	1740.00	780.00	4.0	28.66
1088	1740.00	840.00	4.0	28.96
1089	1740.00	900.00	4.0	29.03
1090	1740.00	960.00	4.0	29.07
1091	1740.00	1020.00	4.0	29.25
1092	1740.00	1080.00	4.0	29.65
1093	1740.00	1140.00	4.0	30.07
1094	1740.00	1200.00	4.0	30.98
1095	1740.00	1260.00	4.0	31.56
1096	1740.00	1320.00	4.0	32.08
1097	1740.00	1380.00	4.0	32.25
1098	1740.00	1440.00	4.0	32.82
1099	1740.00	1500.00	4.0	32.79
1100	1740.00	1560.00	4.0	34.07
1101	1740.00	1620.00	4.0	33.09
1102	1740.00	1680.00	4.0	36.29
1103	1740.00	1740.00	4.0	36.81
1104	1740.00	1800.00	4.0	38.00
1105	1740.00	1860.00	4.0	37.84
1106	1740.00	1920.00	4.0	37.67
1107	1740.00	1980.00	4.0	37.49
1108	1740.00	2040.00	4.0	37.29
1109	1740.00	2100.00	4.0	37.09
1110	1740.00	2160.00	4.0	36.87
1111	1800.00	0.00	4.0	23.91
1112	1800.00	60.00	4.0	24.12
1113	1800.00	120.00	4.0	24.37
1114	1800.00	180.00	4.0	24.67
1115	1800.00	240.00	4.0	25.00
1116	1800.00	300.00	4.0	25.39
1117	1800.00	360.00	4.0	25.86
1118	1800.00	420.00	4.0	26.38
1119	1800.00	480.00	4.0	26.93
1120	1800.00	540.00	4.0	27.05
1121	1800.00	600.00	4.0	27.23
1122	1800.00	660.00	4.0	27.65

1123	1800.00	720.00	4.0	28.01
1124	1800.00	780.00	4.0	28.25
1125	1800.00	840.00	4.0	28.37
1126	1800.00	900.00	4.0	28.49
1127	1800.00	960.00	4.0	28.52
1128	1800.00	1020.00	4.0	28.90
1129	1800.00	1080.00	4.0	29.13
1130	1800.00	1140.00	4.0	29.75
1131	1800.00	1200.00	4.0	30.51
1132	1800.00	1260.00	4.0	31.16
1133	1800.00	1320.00	4.0	31.44
1134	1800.00	1380.00	4.0	31.68
1135	1800.00	1440.00	4.0	32.19
1136	1800.00	1500.00	4.0	32.20
1137	1800.00	1560.00	4.0	33.45
1138	1800.00	1620.00	4.0	32.46
1139	1800.00	1680.00	4.0	35.65
1140	1800.00	1740.00	4.0	36.16
1141	1800.00	1800.00	4.0	37.42
1142	1800.00	1860.00	4.0	37.27
1143	1800.00	1920.00	4.0	37.10
1144	1800.00	1980.00	4.0	36.93
1145	1800.00	2040.00	4.0	36.75
1146	1800.00	2100.00	4.0	36.56
1147	1800.00	2160.00	4.0	36.35
1148	1860.00	0.00	4.0	23.57
1149	1860.00	60.00	4.0	23.84
1150	1860.00	120.00	4.0	24.12
1151	1860.00	180.00	4.0	24.45
1152	1860.00	240.00	4.0	24.83
1153	1860.00	300.00	4.0	25.29
1154	1860.00	360.00	4.0	25.79
1155	1860.00	420.00	4.0	26.32
1156	1860.00	480.00	4.0	26.43
1157	1860.00	540.00	4.0	26.61
1158	1860.00	600.00	4.0	26.92
1159	1860.00	660.00	4.0	27.38
1160	1860.00	720.00	4.0	27.58
1161	1860.00	780.00	4.0	27.75
1162	1860.00	840.00	4.0	27.89
1163	1860.00	900.00	4.0	27.88
1164	1860.00	960.00	4.0	28.08
1165	1860.00	1020.00	4.0	28.45
1166	1860.00	1080.00	4.0	28.79
1167	1860.00	1140.00	4.0	29.52
1168	1860.00	1200.00	4.0	30.09
1169	1860.00	1260.00	4.0	30.76
1170	1860.00	1320.00	4.0	30.85
1171	1860.00	1380.00	4.0	31.41
1172	1860.00	1440.00	4.0	31.60
1173	1860.00	1500.00	4.0	31.64
1174	1860.00	1560.00	4.0	32.87
1175	1860.00	1620.00	4.0	31.85
1176	1860.00	1680.00	4.0	35.04
1177	1860.00	1740.00	4.0	35.52
1178	1860.00	1800.00	4.0	35.72
1179	1860.00	1860.00	4.0	36.71
1180	1860.00	1920.00	4.0	36.56
1181	1860.00	1980.00	4.0	36.40
1182	1860.00	2040.00	4.0	36.23
1183	1860.00	2100.00	4.0	36.05
1184	1860.00	2160.00	4.0	35.86
1185	1920.00	0.00	4.0	23.31
1186	1920.00	60.00	4.0	23.59
1187	1920.00	120.00	4.0	23.92
1188	1920.00	180.00	4.0	24.30
1189	1920.00	240.00	4.0	24.75
1190	1920.00	300.00	4.0	25.22
1191	1920.00	360.00	4.0	25.74
1192	1920.00	420.00	4.0	25.84
1193	1920.00	480.00	4.0	26.01
1194	1920.00	540.00	4.0	26.31
1195	1920.00	600.00	4.0	26.67
1196	1920.00	660.00	4.0	26.95

1197	1920.00	720.00	4.0	27.18
1198	1920.00	780.00	4.0	27.25
1199	1920.00	840.00	4.0	27.32
1200	1920.00	900.00	4.0	27.39
1201	1920.00	960.00	4.0	27.76
1202	1920.00	1020.00	4.0	28.04
1203	1920.00	1080.00	4.0	28.47
1204	1920.00	1140.00	4.0	29.31
1205	1920.00	1200.00	4.0	29.76
1206	1920.00	1260.00	4.0	30.38
1207	1920.00	1320.00	4.0	30.33
1208	1920.00	1380.00	4.0	30.90
1209	1920.00	1440.00	4.0	31.01
1210	1920.00	1500.00	4.0	31.10
1211	1920.00	1560.00	4.0	31.35
1212	1920.00	1620.00	4.0	31.28
1213	1920.00	1680.00	4.0	34.46
1214	1920.00	1740.00	4.0	34.92
1215	1920.00	1800.00	4.0	35.14
1216	1920.00	1860.00	4.0	36.18
1217	1920.00	1920.00	4.0	36.04
1218	1920.00	1980.00	4.0	35.88
1219	1920.00	2040.00	4.0	35.72
1220	1920.00	2100.00	4.0	35.55
1221	1920.00	2160.00	4.0	35.37

Tłumienie przez grunt wg wzoru 9 PN-ISO 9613.

Koniec obliczeń