

Table S1: Fit to the S-reduced Hamiltonian in the Ir representation of the ground state of ketenimine. Microwave transitions published in Rodler et. al. (M. Rodler, R. D. Brown, P. D. Godfrey and L. M. Tack, Chem. Phys. Lett., 1984, 110, 447-451). Five transitions from this publication are omitted due to them having too greater standard deviation, and a further transition is omitted due to a mis-assignment. Microwave transitions/uncertainty in MHz, IR combination differences/uncertainty in cm<sup>-1</sup>. Fit performed using Pickett's SPFIT (H. M. Pickett, J. Mol. Spec., 1991, 148, 371-377.).

EXP.ERR.	EST.ERR.	AVG.	CALC.FREQ.	EXP.FREQ.	CALC.FREQ.	DIFF.
-	-	-	-	-	-	-
1:	8 1 7 9 0 9			23176.31000	23176.31817	-
0.00817	0.02600	0.00000				
2:	2 1 2 1 1 1			38072.52000	38072.48249	-
0.03751	0.02200	0.00000				
3:	2 0 2 1 0 1			38266.28000	38266.28313	-
0.00313	0.01600	0.00000				
4:	2 1 1 1 1 0			38458.48000	38458.51743	-
0.03743	0.01800	0.00000				
5:	7 1 6 8 0 8			41524.23000	41524.21214	-
0.01786	0.03100	0.00000				
6:	4 1 4 3 1 3			76144.13800	76144.11439	-
0.02361	0.02200	0.00000				
7:	4 3 2 3 3 1			76515.66800	76515.69567	-
0.02767	0.01700	0.00000				
8:	4 2 3 3 2 2			76524.71000	76524.71479	-
0.00479	0.03300	0.00000				
9:	4 2 2 3 2 1			76526.16200	76526.17129	-
0.00929	0.03100	0.00000				
10:	4 0 4 3 0 3			76530.85000	76530.82878	-
0.02122	0.01700	0.00000				
11:	4 1 3 3 1 2			76916.16200	76916.15846	-
0.00354	0.02500	0.00000				
12:	15 0 15 14 1 13			84726.55300	84726.55597	-
0.00297	0.05000	0.00000				
13:	23 2 21 24 1 23			89236.22600	89236.22600	-
0.00000	0.08000	0.00000				
14:	5 1 5 4 1 4			95179.35700	95179.34585	-
0.01115	0.03500	0.00000				
15:	5 4 2 4 4 1			95627.35500	95627.31553	-
0.03947	0.03500	0.00000				
16:	5 3 3 4 3 2			95644.25000	95644.22050	-
0.02950	0.02500	0.00000				
17:	5 2 4 4 2 3			95655.20600	95655.17542	-
0.03058	0.05000	0.00000				
18:	5 2 3 4 2 2			95658.09000	95658.08834	-
0.00166	0.04000	0.00000				
19:	5 0 5 4 0 4			95661.91600	95661.90716	-
0.00884	0.03100	0.00000				
20:	5 1 4 4 1 3			96144.35600	96144.37618	-
0.02018	0.03600	0.00000				
21:	6 1 6 5 1 5			114214.05100	114214.04627	-
0.00473	0.03000	0.00000				
22:	6 4 3 5 4 2			114752.16600	114752.10221	-
0.06379	0.04300	0.00000				
23:	6 3 3 5 3 2			114772.45300	114772.48272	-
0.02972	0.03600	0.00000				
24:	6 2 5 5 2 4			114785.12000	114785.15735	-
0.03735	0.03000	0.00000				

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25:	6	2	4	5	2	3	114790.21800	114790.25479	-
0.03679		0.03000		0.00000					
26:	6	0	6	5	0	5	114791.91700	114791.89977	
0.01723		0.03400		0.00000					
27:	6	1	5	5	1	4	115372.03200	115372.04562	-
0.01362		0.03000		0.00000					
28:	17	0	17	16	1	15	119826.84200	119826.83655	
0.00545		0.10000		0.00000					
29:	14	1	14	14	0	14	181890.22600	181890.29760	-
0.07160		0.10000		0.00000					
30:	2	0	2	0	0	0	1.9146000	1.9146423	-
0.0000423		-0.0003000		0.0000000					
31:	3	0	3	1	0	1	3.1911000	3.1910464	
0.0000536		-0.0003000		0.0000000					
32:	4	0	4	2	0	2	4.4673000	4.4674143	-
0.0001143		-0.0003000		0.0000000					
33:	5	0	5	3	0	3	5.7438000	5.7437314	
0.0000686		-0.0003000		0.0000000					
34:	6	0	6	4	0	4	7.0201000	7.0199834	
0.0001166		-0.0003000		0.0000000					
35:	7	0	7	5	0	5	8.2962000	8.2961556	
0.0000444		-0.0003000		0.0000000					
36:	8	0	8	6	0	6	9.5722000	9.5722338	-
0.0000338		-0.0003000		0.0000000					
37:	9	0	9	7	0	7	10.8482000	10.8482033	-
0.0000033		-0.0003000		0.0000000					
38:	11	0	11	9	0	9	13.3998000	13.3997587	
0.0000413		-0.0003000		0.0000000					
39:	12	0	12	10	0	10	14.6754000	14.6753157	
0.0000843		-0.0003000		0.0000000					
40:	13	0	13	11	0	11	15.9507000	15.9507064	-
0.0000064		-0.0003000		0.0000000					
41:	14	0	14	12	0	12	17.2260000	17.2259164	
0.0000836		-0.0003000		0.0000000					
42:	15	0	15	13	0	13	18.5009000	18.5009314	-
0.0000314		-0.0003000		0.0000000					
43:	17	0	17	15	0	15	21.0503000	21.0503195	-
0.0000195		-0.0003000		0.0000000					
44:	18	0	18	16	0	16	22.3247000	22.3246642	
0.0000358		-0.0003000		0.0000000					
45:	19	0	19	17	0	17	23.5988000	23.5987573	
0.0000427		-0.0003000		0.0000000					
46:	20	0	20	18	0	18	24.8726000	24.8725849	
0.0000151		-0.0003000		0.0000000					
47:	21	0	21	19	0	19	26.1461000	26.1461332	-
0.0000332		-0.0003000		0.0000000					
48:	22	0	22	20	0	20	27.4192000	27.4193884	-
0.0001884		-0.0003000		0.0000000					
49:	23	0	23	21	0	21	28.6924000	28.6923372	
0.0000628		-0.0003000		0.0000000					
50:	24	0	24	22	0	22	29.9649000	29.9649662	-
0.0000662		-0.0003000		0.0000000					
51:	25	0	25	23	0	23	31.2373000	31.2372623	
0.0000377		-0.0003000		0.0000000					
52:	26	0	26	24	0	24	32.5092000	32.5092127	-
0.0000127		-0.0003000		0.0000000					
53:	27	0	27	25	0	25	33.7809000	33.7808048	
0.0000952		-0.0003000		0.0000000					
54:	28	0	28	26	0	26	35.0520000	35.0520263	-
0.0000263		-0.0003000		0.0000000					

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55: 29 0 29 27 0 27	36.3230000	36.3228653
0.0001347 -0.0003000 0.0000000		
56: 30 0 30 28 0 28	37.5933000	37.5933101 -
0.0000101 -0.0003000 0.0000000		
57: 31 0 31 29 0 29	38.8634000	38.8633496
0.0000504 -0.0003000 0.0000000		
58: 32 0 32 30 0 30	40.1330000	40.1329729
0.0000271 -0.0003000 0.0000000		
59: 33 0 33 31 0 31	41.4022000	41.4021698
0.0000302 -0.0003000 0.0000000		
60: 34 0 34 32 0 32	42.6709000	42.6709304 -
0.0000304 -0.0003000 0.0000000		
61: 35 0 35 33 0 33	43.9392000	43.9392453 -
0.0000453 -0.0003000 0.0000000		
62: 36 0 36 34 0 34	45.2070000	45.2071058 -
0.0001058 -0.0003000 0.0000000		
63: 37 0 37 35 0 35	46.4746000	46.4745038
0.0000962 -0.0003000 0.0000000		
64: 38 0 38 36 0 36	47.7414000	47.7414317 -
0.0000317 -0.0003000 0.0000000		
65: 39 0 39 37 0 37	49.0078000	49.0078825 -
0.0000825 -0.0003000 0.0000000		
66: 40 0 40 38 0 38	50.2739000	50.2738501
0.0000499 -0.0003000 0.0000000		
67: 41 0 41 39 0 39	51.5392000	51.5393287 -
0.0001287 -0.0003000 0.0000000		
68: 42 0 42 40 0 40	52.8044000	52.8043137
0.0000863 -0.0003000 0.0000000		
69: 43 0 43 41 0 41	54.0688000	54.0688008 -
0.0000008 -0.0003000 0.0000000		
70: 44 0 44 42 0 42	55.3328000	55.3327866
0.0000134 -0.0003000 0.0000000		
71: 45 0 45 43 0 43	56.5966000	56.5962684
0.0003316 -0.0003000 0.0000000		
72: 46 0 46 44 0 44	57.8592000	57.8592444 -
0.0000444 -0.0003000 0.0000000		
73: 47 0 47 45 0 45	59.1216000	59.1217133 -
0.0001133 -0.0003000 0.0000000		
74: 48 0 48 46 0 46	60.3838000	60.3836745
0.0001255 -0.0003000 0.0000000		
75: 49 0 49 47 0 47	61.6453000	61.6451283
0.0001717 -0.0003000 0.0000000		
76: 50 0 50 48 0 48	62.9061000	62.9060756
0.0000244 -0.0003000 0.0000000		
77: 3 1 2 1 1 0	3.2072000	3.2070860
0.0001140 -0.0003000 0.0000000		
78: 3 1 3 1 1 1	3.1748000	3.1748944 -
0.0000944 -0.0003000 0.0000000		
79: 4 1 3 2 1 1	4.4899000	4.4898948
0.0000052 -0.0003000 0.0000000		
80: 4 1 4 2 1 2	4.4447000	4.4448274 -
0.0001274 -0.0003000 0.0000000		
81: 5 1 5 3 1 3	5.7146000	5.7147355 -
0.0001355 -0.0003000 0.0000000		
82: 6 1 5 4 1 3	7.0554000	7.0554284 -
0.0000284 -0.0003000 0.0000000		
83: 6 1 6 4 1 4	6.9845000	6.9846117 -
0.0001117 -0.0003000 0.0000000		
84: 7 1 7 5 1 5	8.2544000	8.2544490 -
0.0000490 -0.0003000 0.0000000		

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85: 8 1 8 6 1 6	9.5242000	9.5242403 -
0.0000403 -0.0003000 0.0000000		
86: 9 1 8 7 1 6	10.9035000	10.9034085
0.0000915 -0.0003000 0.0000000		
87: 9 1 9 7 1 7	10.7940000	10.7939785
0.0000215 -0.0003000 0.0000000		
88: 10 1 9 8 1 7	12.1860000	12.1859537
0.0000463 -0.0003000 0.0000000		
89: 10 1 10 8 1 8	12.0636000	12.0636567 -
0.0000567 -0.0003000 0.0000000		
90: 11 1 10 9 1 8	13.4684000	13.4684291 -
0.0000291 -0.0003000 0.0000000		
91: 11 1 11 9 1 9	13.3333000	13.3332678
0.0000322 -0.0003000 0.0000000		
92: 12 1 11 10 1 9	14.7508000	14.7508275 -
0.0000275 -0.0003000 0.0000000		
93: 12 1 12 10 1 10	14.6029000	14.6028049
0.0000951 -0.0003000 0.0000000		
94: 13 1 12 11 1 10	16.0331000	16.0331412 -
0.0000412 -0.0003000 0.0000000		
95: 13 1 13 11 1 11	15.8723000	15.8722609
0.0000391 -0.0003000 0.0000000		
96: 14 1 13 12 1 11	17.3154000	17.3153629
0.0000371 -0.0003000 0.0000000		
97: 14 1 14 12 1 12	17.1417000	17.1416291
0.0000709 -0.0003000 0.0000000		
98: 15 1 14 13 1 12	18.5975000	18.5974850
0.0000150 -0.0003000 0.0000000		
99: 15 1 15 13 1 13	18.4109000	18.4109025 -
0.0000025 -0.0003000 0.0000000		
100: 16 1 16 14 1 14	19.6803000	19.6800742
0.0002258 -0.0003000 0.0000000		
101: 17 1 16 15 1 14	21.1614000	21.1614006 -
0.0000006 -0.0003000 0.0000000		
102: 17 1 17 15 1 15	20.9491000	20.9491374 -
0.0000374 -0.0003000 0.0000000		
103: 18 1 17 16 1 15	22.4431000	22.4431789 -
0.0000789 -0.0003000 0.0000000		
104: 18 1 18 16 1 16	22.2181000	22.2180853
0.0000147 -0.0003000 0.0000000		
105: 19 1 18 17 1 16	23.7249000	23.7248273
0.0000727 -0.0003000 0.0000000		
106: 19 1 19 17 1 17	23.4869000	23.4869112 -
0.0000112 -0.0003000 0.0000000		
107: 20 1 19 18 1 17	25.0063000	25.0063383 -
0.0000383 -0.0003000 0.0000000		
108: 20 1 20 18 1 18	24.7557000	24.7556083
0.0000917 -0.0003000 0.0000000		
109: 21 1 20 19 1 18	26.2877000	26.2877040 -
0.0000040 -0.0003000 0.0000000		
110: 21 1 21 19 1 19	26.0243000	26.0241701
0.0001299 -0.0003000 0.0000000		
111: 22 1 21 20 1 19	27.5690000	27.5689168
0.0000832 -0.0003000 0.0000000		
112: 22 1 22 20 1 20	27.2926000	27.2925897
0.0000103 -0.0003000 0.0000000		
113: 23 1 22 21 1 20	28.8500000	28.8499689
0.0000311 -0.0003000 0.0000000		
114: 23 1 23 21 1 21	28.5609000	28.5608608
0.0000392 -0.0003000 0.0000000		

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115: 24 1 23 22 1 21	30.1309000	30.1308523
0.0000477 -0.0003000 0.0000000		
116: 24 1 24 22 1 22	29.8289000	29.8289766 -
0.0000766 -0.0003000 0.0000000		
117: 25 1 24 23 1 22	31.4116000	31.4115593
0.0000407 -0.0003000 0.0000000		
118: 25 1 25 23 1 23	31.0970000	31.0969309
0.0000691 -0.0003000 0.0000000		
119: 26 1 26 24 1 24	32.3646000	32.3647171 -
0.0001171 -0.0003000 0.0000000		
120: 27 1 27 25 1 25	33.6323000	33.6323288 -
0.0000288 -0.0003000 0.0000000		
121: 28 1 27 26 1 25	35.2525000	35.2525416 -
0.0000416 -0.0003000 0.0000000		
122: 28 1 28 26 1 26	34.8998000	34.8997598
0.0000402 -0.0003000 0.0000000		
123: 29 1 28 27 1 26	36.5324000	36.5324626 -
0.0000626 -0.0003000 0.0000000		
124: 29 1 29 27 1 27	36.1670000	36.1670037 -
0.0000037 -0.0003000 0.0000000		
125: 30 1 29 28 1 27	37.8122000	37.8121669
0.0000331 -0.0003000 0.0000000		
126: 30 1 30 28 1 28	37.4341000	37.4340545
0.0000455 -0.0003000 0.0000000		
127: 31 1 30 29 1 28	39.0917000	39.0916461
0.0000539 -0.0003000 0.0000000		
128: 31 1 31 29 1 29	38.7010000	38.7009059
0.0000941 -0.0003000 0.0000000		
129: 32 1 31 30 1 29	40.3708000	40.3708919 -
0.0000919 -0.0003000 0.0000000		
130: 32 1 32 30 1 30	39.9676000	39.9675519
0.0000481 -0.0003000 0.0000000		
131: 33 1 32 31 1 30	41.6500000	41.6498961
0.0001039 -0.0003000 0.0000000		
132: 33 1 33 31 1 31	41.2340000	41.2339864
0.0000136 -0.0003000 0.0000000		
133: 34 1 33 32 1 31	42.9286000	42.9286501 -
0.0000501 -0.0003000 0.0000000		
134: 34 1 34 32 1 32	42.5002000	42.5002035 -
0.0000035 -0.0003000 0.0000000		
135: 35 1 34 33 1 32	44.2070000	44.2071454 -
0.0001454 -0.0003000 0.0000000		
136: 35 1 35 33 1 33	43.7662000	43.7661974
0.0000026 -0.0003000 0.0000000		
137: 36 1 35 34 1 33	45.4853000	45.4853734 -
0.0000734 -0.0003000 0.0000000		
138: 36 1 36 34 1 34	45.0320000	45.0319621
0.0000379 -0.0003000 0.0000000		
139: 37 1 36 35 1 34	46.7632000	46.7633254 -
0.0001254 -0.0003000 0.0000000		
140: 37 1 37 35 1 35	46.2976000	46.2974920
0.0001080 -0.0003000 0.0000000		
141: 38 1 37 36 1 35	48.0409000	48.0409928 -
0.0000928 -0.0003000 0.0000000		
142: 38 1 38 36 1 36	47.5628000	47.5627814
0.0000186 -0.0003000 0.0000000		
143: 39 1 38 37 1 36	49.3183000	49.3183666 -
0.0000666 -0.0003000 0.0000000		
144: 39 1 39 37 1 37	48.8278000	48.8278247 -
0.0000247 -0.0003000 0.0000000		

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145: 40 1 39 38 1 37		50.5955000	50.5954381
0.0000619 -0.0003000 0.0000000			
146: 40 1 40 38 1 38		50.0927000	50.0926163
0.0000837 -0.0003000 0.0000000			
147: 41 1 40 39 1 38		51.8721000	51.8721981 -
0.0000981 -0.0003000 0.0000000			
148: 41 1 41 39 1 39		51.3573000	51.3571507
0.0001493 -0.0003000 0.0000000			
149: 42 1 41 40 1 39		53.1486000	53.1486376 -
0.0000376 -0.0003000 0.0000000			
150: 42 1 42 40 1 40		52.6214000	52.6214227 -
0.0000227 -0.0003000 0.0000000			
151: 43 1 42 41 1 40		54.4248000	54.4247475
0.0000525 -0.0003000 0.0000000			
152: 43 1 43 41 1 41		53.8853000	53.8854267 -
0.0001267 -0.0003000 0.0000000			
153: 44 1 43 42 1 41		55.7003000	55.7005185 -
0.0002185 -0.0003000 0.0000000			
154: 44 1 44 42 1 42		55.1491000	55.1491577 -
0.0000577 -0.0003000 0.0000000			
155: 45 1 44 43 1 42		56.9757000	56.9759414 -
0.0002414 -0.0003000 0.0000000			
156: 45 1 45 43 1 43		56.4126000	56.4126104 -
0.0000104 -0.0003000 0.0000000			
157: 46 1 45 44 1 43		58.2510000	58.2510066 -
0.0000066 -0.0003000 0.0000000			
158: 46 1 46 44 1 44		57.6758000	57.6757797
0.0000203 -0.0003000 0.0000000			
159: 47 1 46 45 1 44		59.5257000	59.5257048 -
0.0000048 -0.0003000 0.0000000			
160: 47 1 47 45 1 45		58.9387000	58.9386606
0.0000394 -0.0003000 0.0000000			
161: 48 1 47 46 1 45		60.8001000	60.8000263
0.0000737 -0.0003000 0.0000000			
162: 48 1 48 46 1 46		60.2011000	60.2012481 -
0.0001481 -0.0003000 0.0000000			
163: 49 1 49 47 1 47		61.4635000	61.4635373 -
0.0000373 -0.0003000 0.0000000			
164: 4 2 2 2 2 0		4.4671000	4.4671112 -
0.0000112 -0.0003000 0.0000000	4.4670772	0.0000228	0.5000
165: 4 2 3 2 2 1		4.4671000	4.4670432
0.0000568 -0.0003000 0.0000000	4.4670772	0.0000228	0.5000
166: 5 2 3 3 2 1		5.7434000	5.7434487 -
0.0000487 -0.0003000 0.0000000	5.7433758	0.0000242	0.5000
167: 5 2 4 3 2 2		5.7434000	5.7433029
0.0000971 -0.0003000 0.0000000	5.7433758	0.0000242	0.5000
168: 6 2 4 4 2 2		7.0196000	7.0198011 -
0.0002011 -0.0003000 0.0000000	7.0196675	-0.0000675	0.5000
169: 6 2 5 4 2 3		7.0196000	7.0195339
0.0000661 -0.0003000 0.0000000	7.0196675	-0.0000675	0.5000
170: 7 2 5 5 2 3		8.2961000	8.2961719 -
0.0000719 -0.0003000 0.0000000	8.2959508	0.0001492	0.5000
171: 7 2 6 5 2 4		8.2961000	8.2957298
0.0003702 -0.0003000 0.0000000	8.2959508	0.0001492	0.5000
172: 8 2 6 6 2 4		9.5722000	9.5725642 -
0.0003642 -0.0003000 0.0000000	9.5722242	-0.0000242	0.5000
173: 8 2 7 6 2 5		9.5722000	9.5718841
0.0003159 -0.0003000 0.0000000	9.5722242	-0.0000242	0.5000
174: 9 2 7 7 2 5		10.8487000	10.8489815 -
0.0002815 -0.0003000 0.0000000			

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175: 10 2 8 8 2 6	12.1253000	12.1254270 -
0.0001270 -0.0003000 0.0000000		
176: 10 2 9 8 2 7	12.1239000	12.1240427 -
0.0001427 -0.0003000 0.0000000		
177: 11 2 9 9 2 7	13.4020000	13.4019040
0.0000960 -0.0003000 0.0000000		
178: 11 2 10 9 2 8	13.4000000	13.4000342 -
0.0000342 -0.0003000 0.0000000		
179: 12 2 10 10 2 8	14.6786000	14.6784157
0.0001843 -0.0003000 0.0000000		
180: 12 2 11 10 2 9	14.6758000	14.6759587 -
0.0001587 -0.0003000 0.0000000		
181: 13 2 11 11 2 9	15.9552000	15.9549655
0.0002345 -0.0003000 0.0000000		
182: 13 2 12 11 2 10	15.9516000	15.9518097 -
0.0002097 -0.0003000 0.0000000		
183: 14 2 12 12 2 10	17.2320000	17.2315564
0.0004436 -0.0003000 0.0000000		
184: 14 2 13 12 2 11	17.2271000	17.2275809 -
0.0004809 -0.0003000 0.0000000		
185: 15 2 13 13 2 11	18.5083000	18.5081918
0.0001082 -0.0003000 0.0000000		
186: 15 2 14 13 2 12	18.5032000	18.5032659 -
0.0000659 -0.0003000 0.0000000		
187: 16 2 14 14 2 12	19.7848000	19.7848746 -
0.0000746 -0.0003000 0.0000000		
188: 16 2 15 14 2 13	19.7789000	19.7788583
0.0000417 -0.0003000 0.0000000		
189: 17 2 15 15 2 13	21.0616000	21.0616079 -
0.0000079 -0.0003000 0.0000000		
190: 17 2 16 15 2 14	21.0544000	21.0543517
0.0000483 -0.0003000 0.0000000		
191: 18 2 17 16 2 15	22.3297000	22.3297399 -
0.0000399 -0.0003000 0.0000000		
192: 19 2 17 17 2 15	23.6152000	23.6152378 -
0.0000378 -0.0003000 0.0000000		
193: 19 2 18 17 2 16	23.6050000	23.6050163 -
0.0000163 -0.0003000 0.0000000		
194: 20 2 18 18 2 16	24.8922000	24.8921402
0.0000598 -0.0003000 0.0000000		
195: 20 2 19 18 2 17	24.8802000	24.8801747
0.0000253 -0.0003000 0.0000000		
196: 21 2 19 19 2 17	26.1691000	26.1691043 -
0.0000043 -0.0003000 0.0000000		
197: 21 2 20 19 2 18	26.1553000	26.1552086
0.0000914 -0.0003000 0.0000000		
198: 22 2 20 20 2 18	27.4461000	27.4461326 -
0.0000326 -0.0003000 0.0000000		
199: 22 2 21 20 2 19	27.4301000	27.4301117 -
0.0000117 -0.0003000 0.0000000		
200: 23 2 21 21 2 19	28.7232000	28.7232277 -
0.0000277 -0.0003000 0.0000000		
201: 23 2 22 21 2 20	28.7048000	28.7048776 -
0.0000776 -0.0003000 0.0000000		
202: 24 2 22 22 2 20	30.0004000	30.0003915
0.0000085 -0.0003000 0.0000000		
203: 24 2 23 22 2 21	29.9794000	29.9794999 -
0.0000999 -0.0003000 0.0000000		
204: 25 2 23 23 2 21	31.2777000	31.2776260
0.0000740 -0.0003000 0.0000000		

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205: 25 2 24 23 2 22	31.2540000	31.2539724
0.0000276 -0.0003000 0.0000000		
206: 26 2 24 24 2 22	32.5550000	32.5549329
0.0000671 -0.0003000 0.0000000		
207: 26 2 25 24 2 23	32.5284000	32.5282886
0.0001114 -0.0003000 0.0000000		
208: 27 2 25 25 2 23	33.8323000	33.8323136 -
0.0000136 -0.0003000 0.0000000		
209: 28 2 26 26 2 24	35.1098000	35.1097694
0.0000306 -0.0003000 0.0000000		
210: 29 2 27 27 2 25	36.3873000	36.3873009 -
0.0000009 -0.0003000 0.0000000		
211: 29 2 28 27 2 26	36.3503000	36.3502363
0.0000637 -0.0003000 0.0000000		
212: 30 2 28 28 2 26	37.6649000	37.6649086 -
0.0000086 -0.0003000 0.0000000		
213: 30 2 29 28 2 27	37.6238000	37.6238640 -
0.0000640 -0.0003000 0.0000000		
214: 31 2 29 29 2 27	38.9426000	38.9425926
0.0000074 -0.0003000 0.0000000		
215: 31 2 30 29 2 28	38.8974000	38.8973037
0.0000963 -0.0003000 0.0000000		
216: 32 2 30 30 2 28	40.2202000	40.2203524 -
0.0001524 -0.0003000 0.0000000		
217: 32 2 31 30 2 29	40.1705000	40.1705491 -
0.0000491 -0.0003000 0.0000000		
218: 33 2 31 31 2 29	41.4982000	41.4981874
0.0000126 -0.0003000 0.0000000		
219: 33 2 32 31 2 30	41.4436000	41.4435940
0.0000060 -0.0003000 0.0000000		
220: 34 2 32 32 2 30	42.7761000	42.7760960
0.0000040 -0.0003000 0.0000000		
221: 34 2 33 32 2 31	42.7165000	42.7164318
0.0000682 -0.0003000 0.0000000		
222: 35 2 33 33 2 31	44.0541000	44.0540765
0.0000235 -0.0003000 0.0000000		
223: 35 2 34 33 2 32	43.9891000	43.9890564
0.0000436 -0.0003000 0.0000000		
224: 36 2 34 34 2 32	45.3321000	45.3321265 -
0.0000265 -0.0003000 0.0000000		
225: 36 2 35 34 2 33	45.2615000	45.2614615
0.0000385 -0.0003000 0.0000000		
226: 37 2 35 35 2 33	46.6102000	46.6102429 -
0.0000429 -0.0003000 0.0000000		
227: 37 2 36 35 2 34	46.5337000	46.5336407
0.0000593 -0.0003000 0.0000000		
228: 38 2 36 36 2 34	47.8885000	47.8884222
0.0000778 -0.0003000 0.0000000		
229: 38 2 37 36 2 35	47.8056000	47.8055878
0.0000122 -0.0003000 0.0000000		
230: 39 2 37 37 2 35	49.1666000	49.1666600 -
0.0000600 -0.0003000 0.0000000		
231: 39 2 38 37 2 36	49.0772000	49.0772964 -
0.0000964 -0.0003000 0.0000000		
232: 40 2 38 38 2 36	50.4450000	50.4449514
0.0000486 -0.0003000 0.0000000		
233: 40 2 39 38 2 37	50.3488000	50.3487603
0.0000397 -0.0003000 0.0000000		
234: 41 2 39 39 2 37	51.7232000	51.7232909 -
0.0000909 -0.0003000 0.0000000		



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235: 41 2 40 39 2 38	51.6198000	51.6199733	-
0.0001733 -0.0003000 0.0000000			
236: 42 2 40 40 2 38	53.0015000	53.0016719	-
0.0001719 -0.0003000 0.0000000			
237: 42 2 41 40 2 39	52.8910000	52.8909292	
0.0000708 -0.0003000 0.0000000			
238: 43 2 41 41 2 39	54.2799000	54.2800875	-
0.0001875 -0.0003000 0.0000000			
239: 43 2 42 41 2 40	54.1616000	54.1616215	-
0.0000215 -0.0003000 0.0000000			
240: 44 2 42 42 2 40	55.5587000	55.5585299	
0.0001701 -0.0003000 0.0000000			
241: 44 2 43 42 2 41	55.4319000	55.4320442	-
0.0001442 -0.0003000 0.0000000			
242: 45 2 43 43 2 41	56.8370000	56.8369904	
0.0000096 -0.0003000 0.0000000			
243: 45 2 44 43 2 42	56.7021000	56.7021911	-
0.0000911 -0.0003000 0.0000000			
244: 46 2 44 44 2 42	58.1153000	58.1154598	-
0.0001598 -0.0003000 0.0000000			
245: 47 2 45 45 2 43	59.3939000	59.3939281	-
0.0000281 -0.0003000 0.0000000			
246: 48 2 46 46 2 44	60.6725000	60.6723844	
0.0001156 -0.0003000 0.0000000			
247: 48 2 47 46 2 45	60.5107000	60.5109143	-
0.0002143 -0.0003000 0.0000000			
248: 49 2 47 47 2 45	61.9508000	61.9508172	-
0.0000172 -0.0003000 0.0000000			
249: 49 2 48 47 2 46	61.7801000	61.7798958	
0.0002042 -0.0003000 0.0000000			
250: 50 2 48 48 2 46	63.2292000	63.2292145	-
0.0000145 -0.0003000 0.0000000			
251: 50 2 49 48 2 47	63.0486000	63.0485705	
0.0000295 -0.0003000 0.0000000			
252: 51 2 49 49 2 47	64.5075000	64.5075633	-
0.0000633 -0.0003000 0.0000000			
253: 5 3 2 3 3 0	5.7427000	5.7426367	
0.0000633 -0.0003000 0.0000000	5.7426367	0.0000633	0.5000
254: 5 3 3 3 3 1	5.7427000	5.7426367	
0.0000633 -0.0003000 0.0000000	5.7426367	0.0000633	0.5000
255: 6 3 3 4 3 1	7.0187000	7.0187458	-
0.0000458 -0.0003000 0.0000000	7.0187457	-0.0000457	0.5000
256: 6 3 4 4 3 2	7.0187000	7.0187456	-
0.0000456 -0.0003000 0.0000000	7.0187457	-0.0000457	0.5000
257: 7 3 4 5 3 2	8.2949000	8.2948354	
0.0000646 -0.0003000 0.0000000	8.2948352	0.0000648	0.5000
258: 7 3 5 5 3 3	8.2949000	8.2948350	
0.0000650 -0.0003000 0.0000000	8.2948352	0.0000648	0.5000
259: 8 3 5 6 3 3	9.5709000	9.5709020	-
0.0000020 -0.0003000 0.0000000	9.5709016	-0.0000016	0.5000
260: 8 3 6 6 3 4	9.5709000	9.5709012	-
0.0000012 -0.0003000 0.0000000	9.5709016	-0.0000016	0.5000
261: 9 3 6 7 3 4	10.8470000	10.8469422	
0.0000578 -0.0003000 0.0000000	10.8469414	0.0000586	0.5000
262: 9 3 7 7 3 5	10.8470000	10.8469406	
0.0000594 -0.0003000 0.0000000	10.8469414	0.0000586	0.5000
263: 10 3 7 8 3 5	12.1230000	12.1229526	
0.0000474 -0.0003000 0.0000000	12.1229511	0.0000489	0.5000
264: 10 3 8 8 3 6	12.1230000	12.1229497	
0.0000503 -0.0003000 0.0000000	12.1229511	0.0000489	0.5000

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265:	11	3	8	9	3	6		13.3989000	13.3989295	-
0.0000295	-0.0003000	0.0000000					13.3989271	-0.0000271	0.5000	
266:	11	3	9	9	3	7		13.3989000	13.3989247	-
0.0000247	-0.0003000	0.0000000					13.3989271	-0.0000271	0.5000	
267:	12	3	9	10	3	7		14.6748000	14.6748696	-
0.0000696	-0.0003000	0.0000000					14.6748659	-0.0000659	0.5000	
268:	12	3	10	10	3	8		14.6748000	14.6748621	-
0.0000621	-0.0003000	0.0000000					14.6748659	-0.0000659	0.5000	
269:	13	3	10	11	3	8		15.9508000	15.9507696	
0.0000304	-0.0003000	0.0000000					15.9507639	0.0000361	0.5000	
270:	13	3	11	11	3	9		15.9508000	15.9507581	
0.0000419	-0.0003000	0.0000000					15.9507639	0.0000361	0.5000	
271:	14	3	11	12	3	9		17.2267000	17.2266259	
0.0000741	-0.0003000	0.0000000					17.2266175	0.0000825	0.5000	
272:	14	3	12	12	3	10		17.2267000	17.2266090	
0.0000910	-0.0003000	0.0000000					17.2266175	0.0000825	0.5000	
273:	15	3	12	13	3	10		18.5025000	18.5024353	
0.0000647	-0.0003000	0.0000000					18.5024232	0.0000768	0.5000	
274:	15	3	13	13	3	11		18.5025000	18.5024111	
0.0000889	-0.0003000	0.0000000					18.5024232	0.0000768	0.5000	
275:	16	3	13	14	3	11		19.7783000	19.7781945	
0.0001055	-0.0003000	0.0000000					19.7781775	0.0001225	0.5000	
276:	16	3	14	14	3	12		19.7783000	19.7781606	
0.0001394	-0.0003000	0.0000000					19.7781775	0.0001225	0.5000	
277:	17	3	14	15	3	12		21.0539000	21.0539000	-
0.0000000	-0.0003000	0.0000000					21.0538769	0.0000231	0.5000	
278:	17	3	15	15	3	13		21.0539000	21.0538537	
0.0000463	-0.0003000	0.0000000					21.0538769	0.0000231	0.5000	
279:	18	3	15	16	3	13		22.3295000	22.3295488	-
0.0000488	-0.0003000	0.0000000					22.3295177	-0.0000177	0.5000	
280:	18	3	16	16	3	14		22.3295000	22.3294866	
0.0000134	-0.0003000	0.0000000					22.3295177	-0.0000177	0.5000	
281:	19	3	16	17	3	14		23.6051000	23.6051374	-
0.0000374	-0.0003000	0.0000000					23.6050964	0.0000036	0.5000	
282:	19	3	17	17	3	15		23.6051000	23.6050553	
0.0000447	-0.0003000	0.0000000					23.6050964	0.0000036	0.5000	
283:	20	3	17	18	3	15		24.8806000	24.8806629	-
0.0000629	-0.0003000	0.0000000					24.8806095	-0.0000095	0.5000	
284:	20	3	18	18	3	16		24.8806000	24.8805560	
0.0000440	-0.0003000	0.0000000					24.8806095	-0.0000095	0.5000	
285:	21	3	18	19	3	16		26.1561000	26.1561220	-
0.0000220	-0.0003000	0.0000000					26.1560534	0.0000466	0.5000	
286:	21	3	19	19	3	17		26.1561000	26.1559847	
0.0001153	-0.0003000	0.0000000					26.1560534	0.0000466	0.5000	
287:	22	3	19	20	3	17		27.4315000	27.4315117	-
0.0000117	-0.0003000	0.0000000					27.4314245	0.0000755	0.5000	
288:	22	3	20	20	3	18		27.4315000	27.4313374	
0.0001626	-0.0003000	0.0000000					27.4314245	0.0000755	0.5000	
289:	23	3	20	21	3	18		28.7067000	28.7068289	-
0.0001289	-0.0003000	0.0000000					28.7067194	-0.0000194	0.5000	
290:	23	3	21	21	3	19		28.7067000	28.7066100	
0.0000900	-0.0003000	0.0000000					28.7067194	-0.0000194	0.5000	
291:	24	3	21	22	3	19		29.9819000	29.9820706	-
0.0001706	-0.0003000	0.0000000					29.9819345	-0.0000345	0.5000	
292:	24	3	22	22	3	20		29.9819000	29.9817984	
0.0001016	-0.0003000	0.0000000					29.9819345	-0.0000345	0.5000	
293:	25	3	22	23	3	20		31.2571000	31.2572338	-
0.0001338	-0.0003000	0.0000000					31.2570662	0.0000338	0.5000	
294:	25	3	23	23	3	21		31.2571000	31.2568986	
0.0002014	-0.0003000	0.0000000					31.2570662	0.0000338	0.5000	



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325: 42 3 40 40 3 38	52.9158000	52.9158001	-
0.0000001 -0.0003000 0.0000000			
326: 43 3 40 41 3 38	54.1938000	54.1937702	
0.0000298 -0.0003000 0.0000000			
327: 43 3 41 41 3 39	54.1886000	54.1885360	
0.0000640 -0.0003000 0.0000000			
328: 44 3 41 42 3 39	55.4670000	55.4669684	
0.0000316 -0.0003000 0.0000000			
329: 44 3 42 42 3 40	55.4610000	55.4610934	-
0.0000934 -0.0003000 0.0000000			
330: 45 3 42 43 3 40	56.7400000	56.7400434	-
0.0000434 -0.0003000 0.0000000			
331: 45 3 43 43 3 41	56.7336000	56.7334670	
0.0001330 -0.0003000 0.0000000			
332: 46 3 43 44 3 41	58.0129000	58.0129938	-
0.0000938 -0.0003000 0.0000000			
333: 46 3 44 44 3 42	58.0057000	58.0056513	
0.0000487 -0.0003000 0.0000000			
334: 47 3 44 45 3 42	59.2858000	59.2858182	-
0.0000182 -0.0003000 0.0000000			
335: 47 3 45 45 3 43	59.2777000	59.2776406	
0.0000594 -0.0003000 0.0000000			
336: 48 3 45 46 3 43	60.5585000	60.5585155	-
0.0000155 -0.0003000 0.0000000			
337: 48 3 46 46 3 44	60.5494000	60.5494295	-
0.0000295 -0.0003000 0.0000000			
338: 49 3 46 47 3 44	61.8309000	61.8310845	-
0.0001845 -0.0003000 0.0000000			
339: 49 3 47 47 3 45	61.8209000	61.8210121	-
0.0001121 -0.0003000 0.0000000			
340: 50 3 47 48 3 45	63.1037000	63.1035241	
0.0001759 -0.0003000 0.0000000			
341: 50 3 48 48 3 46	63.0925000	63.0923828	
0.0001172 -0.0003000 0.0000000			
342: 51 3 48 49 3 46	64.3760000	64.3758333	
0.0001667 -0.0003000 0.0000000			
343: 6 4 2 4 4 0	7.0175000	7.0175020	-
0.0000020 -0.0003000 0.0000000	7.0175020	-0.0000020	0.5000
344: 6 4 3 4 4 1	7.0175000	7.0175020	-
0.0000020 -0.0003000 0.0000000	7.0175020	-0.0000020	0.5000
345: 8 4 4 6 4 2	9.5692000	9.5691876	
0.0000124 -0.0003000 0.0000000	9.5691876	0.0000124	0.5000
346: 8 4 5 6 4 3	9.5692000	9.5691876	
0.0000124 -0.0003000 0.0000000	9.5691876	0.0000124	0.5000
347: 9 4 5 7 4 3	10.8450000	10.8449863	
0.0000137 -0.0003000 0.0000000	10.8449863	0.0000137	0.5000
348: 9 4 6 7 4 4	10.8450000	10.8449863	
0.0000137 -0.0003000 0.0000000	10.8449863	0.0000137	0.5000
349: 10 4 6 8 4 4	12.1207000	12.1207501	-
0.0000501 -0.0003000 0.0000000	12.1207501	-0.0000501	0.5000
350: 10 4 7 8 4 5	12.1207000	12.1207501	-
0.0000501 -0.0003000 0.0000000	12.1207501	-0.0000501	0.5000
351: 11 4 7 9 4 5	13.3965000	13.3964749	
0.0000251 -0.0003000 0.0000000	13.3964749	0.0000251	0.5000
352: 11 4 8 9 4 6	13.3965000	13.3964749	
0.0000251 -0.0003000 0.0000000	13.3964749	0.0000251	0.5000
353: 12 4 8 10 4 6	14.6722000	14.6721567	
0.0000433 -0.0003000 0.0000000	14.6721567	0.0000433	0.5000
354: 12 4 9 10 4 7	14.6722000	14.6721567	
0.0000433 -0.0003000 0.0000000	14.6721567	0.0000433	0.5000

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355:	13	4	9	11	4	7		15.9478000	15.9477913
0.0000087	-0.0003000	0.0000000							
356:	15	4	11	13	4	9		18.4989000	18.4989025 -
0.0000025	-0.0003000	0.0000000					18.4989025	-0.0000025	0.5000
357:	15	4	12	13	4	10		18.4989000	18.4989024 -
0.0000024	-0.0003000	0.0000000					18.4989025	-0.0000025	0.5000
358:	16	4	12	14	4	10		19.7744000	19.7743709
0.0000291	-0.0003000	0.0000000					19.7743709	0.0000291	0.5000
359:	16	4	13	14	4	11		19.7744000	19.7743708
0.0000292	-0.0003000	0.0000000					19.7743709	0.0000291	0.5000
360:	17	4	13	15	4	11		21.0498000	21.0497757
0.0000243	-0.0003000	0.0000000					21.0497757	0.0000243	0.5000
361:	17	4	14	15	4	12		21.0498000	21.0497756
0.0000244	-0.0003000	0.0000000					21.0497757	0.0000243	0.5000
362:	18	4	14	16	4	12		22.3251000	22.3251128 -
0.0000128	-0.0003000	0.0000000					22.3251127	-0.0000127	0.5000
363:	18	4	15	16	4	13		22.3251000	22.3251127 -
0.0000127	-0.0003000	0.0000000					22.3251127	-0.0000127	0.5000
364:	19	4	15	17	4	13		23.6004000	23.6003781
0.0000219	-0.0003000	0.0000000					23.6003780	0.0000220	0.5000
365:	19	4	16	17	4	14		23.6004000	23.6003779
0.0000221	-0.0003000	0.0000000					23.6003780	0.0000220	0.5000
366:	20	4	16	18	4	14		24.8756000	24.8755675
0.0000325	-0.0003000	0.0000000					24.8755674	0.0000326	0.5000
367:	20	4	17	18	4	15		24.8756000	24.8755672
0.0000328	-0.0003000	0.0000000					24.8755674	0.0000326	0.5000
368:	21	4	17	19	4	15		26.1507000	26.1506769
0.0000231	-0.0003000	0.0000000					26.1506767	0.0000233	0.5000
369:	21	4	18	19	4	16		26.1507000	26.1506764
0.0000236	-0.0003000	0.0000000					26.1506767	0.0000233	0.5000
370:	22	4	18	20	4	16		27.4256000	27.4257022 -
0.0001022	-0.0003000	0.0000000					27.4257019	-0.0001019	0.5000
371:	22	4	19	20	4	17		27.4256000	27.4257015 -
0.0001015	-0.0003000	0.0000000					27.4257019	-0.0001019	0.5000
372:	23	4	19	21	4	17		28.7007000	28.7006393
0.0000607	-0.0003000	0.0000000					28.7006388	0.0000612	0.5000
373:	23	4	20	21	4	18		28.7007000	28.7006383
0.0000617	-0.0003000	0.0000000					28.7006388	0.0000612	0.5000
374:	24	4	20	22	4	18		29.9755000	29.9754841
0.0000159	-0.0003000	0.0000000					29.9754834	0.0000166	0.5000
375:	24	4	21	22	4	19		29.9755000	29.9754827
0.0000173	-0.0003000	0.0000000					29.9754834	0.0000166	0.5000
376:	25	4	21	23	4	19		31.2502000	31.2502324 -
0.0000324	-0.0003000	0.0000000					31.2502315	-0.0000315	0.5000
377:	25	4	22	23	4	20		31.2502000	31.2502306 -
0.0000306	-0.0003000	0.0000000					31.2502315	-0.0000315	0.5000
378:	26	4	22	24	4	20		32.5250000	32.5248803
0.0001197	-0.0003000	0.0000000					32.5248790	0.0001210	0.5000
379:	26	4	23	24	4	21		32.5250000	32.5248778
0.0001222	-0.0003000	0.0000000					32.5248790	0.0001210	0.5000
380:	27	4	23	25	4	21		33.7994000	33.7994235 -
0.0000235	-0.0003000	0.0000000					33.7994219	-0.0000219	0.5000
381:	27	4	24	25	4	22		33.7994000	33.7994203 -
0.0000203	-0.0003000	0.0000000					33.7994219	-0.0000219	0.5000
382:	28	4	24	26	4	22		35.0738000	35.0738581 -
0.0000581	-0.0003000	0.0000000					35.0738560	-0.0000560	0.5000
383:	28	4	25	26	4	23		35.0738000	35.0738539 -
0.0000539	-0.0003000	0.0000000					35.0738560	-0.0000560	0.5000
384:	29	4	25	27	4	23		36.3482000	36.3481798
0.0000202	-0.0003000	0.0000000					36.3481771	0.0000229	0.5000

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385:	29	4	26	27	4	24		36.3482000	36.3481745
0.0000255	-0.0003000	0.0000000					36.3481771	0.0000229	0.5000
386:	30	4	26	28	4	24		37.6224000	37.6223847
0.0000153	-0.0003000	0.0000000					37.6223813	0.0000187	0.5000
387:	30	4	27	28	4	25		37.6224000	37.6223779
0.0000221	-0.0003000	0.0000000					37.6223813	0.0000187	0.5000
388:	31	4	27	29	4	25		38.8965000	38.8964687
0.0000313	-0.0003000	0.0000000					38.8964643	0.0000357	0.5000
389:	31	4	28	29	4	26		38.8965000	38.8964600
0.0000400	-0.0003000	0.0000000					38.8964643	0.0000357	0.5000
390:	32	4	28	30	4	26		40.1704000	40.1704276 -
0.0000276	-0.0003000	0.0000000					40.1704221	-0.0000221	0.5000
391:	32	4	29	30	4	27		40.1704000	40.1704167 -
0.0000167	-0.0003000	0.0000000					40.1704221	-0.0000221	0.5000
392:	33	4	29	31	4	27		41.4443000	41.4442573
0.0000427	-0.0003000	0.0000000					41.4442506	0.0000494	0.5000
393:	33	4	30	31	4	28		41.4443000	41.4442438
0.0000562	-0.0003000	0.0000000					41.4442506	0.0000494	0.5000
394:	34	4	30	32	4	28		42.7180000	42.7179539
0.0000461	-0.0003000	0.0000000					42.7179456	0.0000544	0.5000
395:	34	4	31	32	4	29		42.7180000	42.7179372
0.0000628	-0.0003000	0.0000000					42.7179456	0.0000544	0.5000
396:	35	4	31	33	4	29		43.9915000	43.9915133 -
0.0000133	-0.0003000	0.0000000					43.9915030	-0.0000030	0.5000
397:	35	4	32	33	4	30		43.9915000	43.9914927
0.0000073	-0.0003000	0.0000000					43.9915030	-0.0000030	0.5000
398:	36	4	32	34	4	30		45.2649000	45.2649313 -
0.0000313	-0.0003000	0.0000000					45.2649187	-0.0000187	0.5000
399:	36	4	33	34	4	31		45.2649000	45.2649062 -
0.0000062	-0.0003000	0.0000000					45.2649187	-0.0000187	0.5000
400:	37	4	33	35	4	31		46.5381000	46.5382039 -
0.0001039	-0.0003000	0.0000000					46.5381887	-0.0000887	0.5000
401:	37	4	34	35	4	32		46.5381000	46.5381735 -
0.0000735	-0.0003000	0.0000000					46.5381887	-0.0000887	0.5000
402:	38	4	34	36	4	32		47.8112000	47.8113271 -
0.0001271	-0.0003000	0.0000000					47.8113087	-0.0001087	0.5000
403:	38	4	35	36	4	33		47.8112000	47.8112903 -
0.0000903	-0.0003000	0.0000000					47.8113087	-0.0001087	0.5000
404:	39	4	35	37	4	33		49.0842000	49.0842968 -
0.0000968	-0.0003000	0.0000000					49.0842747	-0.0000747	0.5000
405:	39	4	36	37	4	34		49.0842000	49.0842526 -
0.0000526	-0.0003000	0.0000000					49.0842747	-0.0000747	0.5000
406:	40	4	36	38	4	34		50.3570000	50.3571091 -
0.0001091	-0.0003000	0.0000000					50.3570826	-0.0000826	0.5000
407:	40	4	37	38	4	35		50.3570000	50.3570561 -
0.0000561	-0.0003000	0.0000000					50.3570826	-0.0000826	0.5000
408:	41	4	37	39	4	35		51.6297000	51.6297597 -
0.0000597	-0.0003000	0.0000000					51.6297282	-0.0000282	0.5000
409:	41	4	38	39	4	36		51.6297000	51.6296967
0.0000033	-0.0003000	0.0000000					51.6297282	-0.0000282	0.5000
410:	42	4	38	40	4	36		52.9021000	52.9022449 -
0.0001449	-0.0003000	0.0000000					52.9022075	-0.0001075	0.5000
411:	42	4	39	40	4	37		52.9021000	52.9021701 -
0.0000701	-0.0003000	0.0000000					52.9022075	-0.0001075	0.5000
412:	43	4	39	41	4	37		54.1745000	54.1745604 -
0.0000604	-0.0003000	0.0000000					54.1745163	-0.0000163	0.5000
413:	43	4	40	41	4	38		54.1745000	54.1744721
0.0000279	-0.0003000	0.0000000					54.1745163	-0.0000163	0.5000
414:	44	4	40	42	4	38		55.4467000	55.4467024 -
0.0000024	-0.0003000	0.0000000					55.4466505	0.0000495	0.5000

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415: 44 4 41 42 4 39		55.4467000	55.4465985
0.0001015 -0.0003000 0.0000000	55.4466505	0.0000495 0.5000	
416: 45 4 41 43 4 39		56.7187000	56.7186669
0.0000331 -0.0003000 0.0000000	56.7186060	0.0000940 0.5000	
417: 45 4 42 43 4 40		56.7187000	56.7185451
0.0001549 -0.0003000 0.0000000	56.7186060	0.0000940 0.5000	
418: 46 4 42 44 4 40		57.9904000	57.9904498 -
0.0000498 -0.0003000 0.0000000	57.9903787	0.0000213 0.5000	
419: 46 4 43 44 4 41		57.9904000	57.9903075
0.0000925 -0.0003000 0.0000000	57.9903787	0.0000213 0.5000	
420: 47 4 43 45 4 41		59.2620000	59.2620473 -
0.0000473 -0.0003000 0.0000000	59.2619645	0.0000355 0.5000	
421: 47 4 44 45 4 42		59.2620000	59.2618816
0.0001184 -0.0003000 0.0000000	59.2619645	0.0000355 0.5000	
422: 48 4 44 46 4 42		60.5335000	60.5334553
0.0000447 -0.0003000 0.0000000	60.5333592	0.0001408 0.5000	
423: 48 4 45 46 4 43		60.5335000	60.5332631
0.0002369 -0.0003000 0.0000000	60.5333592	0.0001408 0.5000	
424: 49 4 45 47 4 43		61.8045000	61.8046700 -
0.0001700 -0.0003000 0.0000000	61.8045588	-0.0000588 0.5000	
425: 49 4 46 47 4 44		61.8045000	61.8044477
0.0000523 -0.0003000 0.0000000	61.8045588	-0.0000588 0.5000	
426: 50 4 46 48 4 44		63.0755000	63.0756874 -
0.0001874 -0.0003000 0.0000000	63.0755592	-0.0000592 0.5000	
427: 50 4 47 48 4 45		63.0755000	63.0754311
0.0000689 -0.0003000 0.0000000	63.0755592	-0.0000592 0.5000	
428: 51 4 47 49 4 45		64.3462000	64.3465036 -
0.0003036 -0.0003000 0.0000000	64.3463563	-0.0001563 0.5000	
429: 51 4 48 49 4 46		64.3462000	64.3462089 -
0.0000089 -0.0003000 0.0000000	64.3463563	-0.0001563 0.5000	
430: 52 4 48 50 4 46		65.6171000	65.6171148 -
0.0000148 -0.0003000 0.0000000	65.6169458	0.0001542 0.5000	
431: 52 4 49 50 4 47		65.6171000	65.6167769
0.0003231 -0.0003000 0.0000000	65.6169458	0.0001542 0.5000	
432: 53 4 49 51 4 47		66.8877000	66.8875171
0.0001829 -0.0003000 0.0000000			
433: 7 5 2 5 5 0		8.2915000	8.2914462
0.0000538 -0.0003000 0.0000000	8.2914462	0.0000538 0.5000	
434: 7 5 3 5 5 1		8.2915000	8.2914462
0.0000538 -0.0003000 0.0000000	8.2914462	0.0000538 0.5000	
435: 8 5 3 6 5 1		9.5670000	9.5669776
0.0000224 -0.0003000 0.0000000	9.5669776	0.0000224 0.5000	
436: 8 5 4 6 5 2		9.5670000	9.5669776
0.0000224 -0.0003000 0.0000000	9.5669776	0.0000224 0.5000	
437: 9 5 4 7 5 2		10.8424000	10.8424764 -
0.0000764 -0.0003000 0.0000000	10.8424764	-0.0000764 0.5000	
438: 9 5 5 7 5 3		10.8424000	10.8424764 -
0.0000764 -0.0003000 0.0000000	10.8424764	-0.0000764 0.5000	
439: 10 5 5 8 5 3		12.1179000	12.1179383 -
0.0000383 -0.0003000 0.0000000	12.1179383	-0.0000383 0.5000	
440: 10 5 6 8 5 4		12.1179000	12.1179383 -
0.0000383 -0.0003000 0.0000000	12.1179383	-0.0000383 0.5000	
441: 11 5 6 9 5 4		13.3933000	13.3933592 -
0.0000592 -0.0003000 0.0000000	13.3933592	-0.0000592 0.5000	
442: 11 5 7 9 5 5		13.3933000	13.3933592 -
0.0000592 -0.0003000 0.0000000	13.3933592	-0.0000592 0.5000	
443: 12 5 7 10 5 5		14.6688000	14.6687345
0.0000655 -0.0003000 0.0000000	14.6687345	0.0000655 0.5000	
444: 12 5 8 10 5 6		14.6688000	14.6687345
0.0000655 -0.0003000 0.0000000	14.6687345	0.0000655 0.5000	

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445:	13	5	8	11	5	6		15.9441000	15.9440600
0.0000400	-0.0003000	0.0000000					15.9440600	0.0000400	0.5000
446:	13	5	9	11	5	7		15.9441000	15.9440600
0.0000400	-0.0003000	0.0000000					15.9440600	0.0000400	0.5000
447:	14	5	9	12	5	7		17.2193000	17.2193314 -
0.0000314	-0.0003000	0.0000000					17.2193314	-0.0000314	0.5000
448:	14	5	10	12	5	8		17.2193000	17.2193314 -
0.0000314	-0.0003000	0.0000000					17.2193314	-0.0000314	0.5000
449:	15	5	10	13	5	8		18.4946000	18.4945442
0.0000558	-0.0003000	0.0000000					18.4945442	0.0000558	0.5000
450:	15	5	11	13	5	9		18.4946000	18.4945442
0.0000558	-0.0003000	0.0000000					18.4945442	0.0000558	0.5000
451:	16	5	11	14	5	9		19.7698000	19.7696943
0.0001057	-0.0003000	0.0000000					19.7696943	0.0001057	0.5000
452:	16	5	12	14	5	10		19.7698000	19.7696943
0.0001057	-0.0003000	0.0000000					19.7696943	0.0001057	0.5000
453:	17	5	12	15	5	10		21.0448000	21.0447772
0.0000228	-0.0003000	0.0000000					21.0447772	0.0000228	0.5000
454:	17	5	13	15	5	11		21.0448000	21.0447772
0.0000228	-0.0003000	0.0000000					21.0447772	0.0000228	0.5000
455:	18	5	13	16	5	11		22.3199000	22.3197886
0.0001114	-0.0003000	0.0000000					22.3197886	0.0001114	0.5000
456:	18	5	14	16	5	12		22.3199000	22.3197886
0.0001114	-0.0003000	0.0000000					22.3197886	0.0001114	0.5000
457:	19	5	14	17	5	12		23.5949000	23.5947241
0.0001759	-0.0003000	0.0000000					23.5947241	0.0001759	0.5000
458:	19	5	15	17	5	13		23.5949000	23.5947241
0.0001759	-0.0003000	0.0000000					23.5947241	0.0001759	0.5000
459:	20	5	15	18	5	13		24.8696000	24.8695795
0.0000205	-0.0003000	0.0000000					24.8695795	0.0000205	0.5000
460:	20	5	16	18	5	14		24.8696000	24.8695795
0.0000205	-0.0003000	0.0000000					24.8695795	0.0000205	0.5000
461:	21	5	16	19	5	14		26.1443000	26.1443504 -
0.0000504	-0.0003000	0.0000000					26.1443504	-0.0000504	0.5000
462:	21	5	17	19	5	15		26.1443000	26.1443504 -
0.0000504	-0.0003000	0.0000000					26.1443504	-0.0000504	0.5000
463:	22	5	17	20	5	15		27.4190000	27.4190325 -
0.0000325	-0.0003000	0.0000000					27.4190325	-0.0000325	0.5000
464:	22	5	18	20	5	16		27.4190000	27.4190325 -
0.0000325	-0.0003000	0.0000000					27.4190325	-0.0000325	0.5000
465:	23	5	18	21	5	16		28.6936000	28.6936214 -
0.0000214	-0.0003000	0.0000000					28.6936214	-0.0000214	0.5000
466:	23	5	19	21	5	17		28.6936000	28.6936214 -
0.0000214	-0.0003000	0.0000000					28.6936214	-0.0000214	0.5000
467:	24	5	19	22	5	17		29.9682000	29.9681127
0.0000873	-0.0003000	0.0000000					29.9681127	0.0000873	0.5000
468:	24	5	20	22	5	18		29.9682000	29.9681127
0.0000873	-0.0003000	0.0000000					29.9681127	0.0000873	0.5000
469:	25	5	20	23	5	18		31.2425000	31.2425023 -
0.0000023	-0.0003000	0.0000000					31.2425023	-0.0000023	0.5000
470:	25	5	21	23	5	19		31.2425000	31.2425023 -
0.0000023	-0.0003000	0.0000000					31.2425023	-0.0000023	0.5000
471:	26	5	21	24	5	19		32.5168000	32.5167856
0.0000144	-0.0003000	0.0000000					32.5167856	0.0000144	0.5000
472:	26	5	22	24	5	20		32.5168000	32.5167856
0.0000144	-0.0003000	0.0000000					32.5167856	0.0000144	0.5000
473:	27	5	22	25	5	20		33.7910000	33.7909585
0.0000415	-0.0003000	0.0000000					33.7909585	0.0000415	0.5000
474:	27	5	23	25	5	21		33.7910000	33.7909585
0.0000415	-0.0003000	0.0000000					33.7909585	0.0000415	0.5000



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475:	28	5	23	26	5	21		35.0650000	35.0650165	-
0.0000165	-0.0003000	0.0000000					35.0650165	-0.0000165	0.5000	
476:	28	5	24	26	5	22		35.0650000	35.0650164	-
0.0000164	-0.0003000	0.0000000					35.0650165	-0.0000165	0.5000	
477:	29	5	24	27	5	22		36.3390000	36.3389552	
0.0000448	-0.0003000	0.0000000					36.3389552	0.0000448	0.5000	
478:	29	5	25	27	5	23		36.3390000	36.3389552	
0.0000448	-0.0003000	0.0000000					36.3389552	0.0000448	0.5000	
479:	30	5	25	28	5	23		37.6128000	37.6127705	
0.0000295	-0.0003000	0.0000000					37.6127705	0.0000295	0.5000	
480:	30	5	26	28	5	24		37.6128000	37.6127705	
0.0000295	-0.0003000	0.0000000					37.6127705	0.0000295	0.5000	
481:	31	5	26	29	5	24		38.8865000	38.8864579	
0.0000421	-0.0003000	0.0000000					38.8864579	0.0000421	0.5000	
482:	31	5	27	29	5	25		38.8865000	38.8864578	
0.0000422	-0.0003000	0.0000000					38.8864579	0.0000421	0.5000	
483:	32	5	27	30	5	25		40.1601000	40.1600130	
0.0000870	-0.0003000	0.0000000					40.1600130	0.0000870	0.5000	
484:	32	5	28	30	5	26		40.1601000	40.1600130	
0.0000870	-0.0003000	0.0000000					40.1600130	0.0000870	0.5000	
485:	33	5	28	31	5	26		41.4335000	41.4334317	
0.0000683	-0.0003000	0.0000000					41.4334316	0.0000684	0.5000	
486:	33	5	29	31	5	27		41.4335000	41.4334316	
0.0000684	-0.0003000	0.0000000					41.4334316	0.0000684	0.5000	
487:	34	5	29	32	5	27		42.7068000	42.7067094	
0.0000906	-0.0003000	0.0000000					42.7067093	0.0000907	0.5000	
488:	34	5	30	32	5	28		42.7068000	42.7067093	
0.0000907	-0.0003000	0.0000000					42.7067093	0.0000907	0.5000	
489:	35	5	30	33	5	28		43.9798000	43.9798419	-
0.0000419	-0.0003000	0.0000000					43.9798418	-0.0000418	0.5000	
490:	35	5	31	33	5	29		43.9798000	43.9798417	-
0.0000417	-0.0003000	0.0000000					43.9798418	-0.0000418	0.5000	
491:	36	5	31	34	5	29		45.2529000	45.2528248	
0.0000752	-0.0003000	0.0000000					45.2528247	0.0000753	0.5000	
492:	36	5	32	34	5	30		45.2529000	45.2528246	
0.0000754	-0.0003000	0.0000000					45.2528247	0.0000753	0.5000	
493:	37	5	32	35	5	30		46.5257000	46.5256537	
0.0000463	-0.0003000	0.0000000					46.5256536	0.0000464	0.5000	
494:	37	5	33	35	5	31		46.5257000	46.5256535	
0.0000465	-0.0003000	0.0000000					46.5256536	0.0000464	0.5000	
495:	38	5	33	36	5	31		47.7984000	47.7983245	
0.0000755	-0.0003000	0.0000000					47.7983244	0.0000756	0.5000	
496:	38	5	34	36	5	32		47.7984000	47.7983242	
0.0000758	-0.0003000	0.0000000					47.7983244	0.0000756	0.5000	
497:	39	5	34	37	5	32		49.0707000	49.0708326	-
0.0001326	-0.0003000	0.0000000					49.0708324	-0.0001324	0.5000	
498:	39	5	35	37	5	33		49.0707000	49.0708323	-
0.0001323	-0.0003000	0.0000000					49.0708324	-0.0001324	0.5000	
499:	40	5	35	38	5	33		50.3432000	50.3431738	
0.0000262	-0.0003000	0.0000000					50.3431736	0.0000264	0.5000	
500:	40	5	36	38	5	34		50.3432000	50.3431734	
0.0000266	-0.0003000	0.0000000					50.3431736	0.0000264	0.5000	
501:	41	5	36	39	5	34		51.6153000	51.6153437	-
0.0000437	-0.0003000	0.0000000					51.6153434	-0.0000434	0.5000	
502:	41	5	37	39	5	35		51.6153000	51.6153432	-
0.0000432	-0.0003000	0.0000000					51.6153434	-0.0000434	0.5000	
503:	42	5	37	40	5	35		52.8874000	52.8873380	
0.0000620	-0.0003000	0.0000000					52.8873376	0.0000624	0.5000	
504:	42	5	38	40	5	36		52.8874000	52.8873373	
0.0000627	-0.0003000	0.0000000					52.8873376	0.0000624	0.5000	

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505:	43	5	38	41	5	36		54.1591000	54.1591523	-
0.0000523	-0.0003000	0.0000000					54.1591519	-0.0000519	0.5000	
506:	43	5	39	41	5	37		54.1591000	54.1591515	-
0.0000515	-0.0003000	0.0000000					54.1591519	-0.0000519	0.5000	
507:	44	5	39	42	5	37		55.4308000	55.4307822	
0.0000178	-0.0003000	0.0000000					55.4307817	0.0000183	0.5000	
508:	44	5	40	42	5	38		55.4308000	55.4307813	
0.0000187	-0.0003000	0.0000000					55.4307817	0.0000183	0.5000	
509:	45	5	40	43	5	38		56.7021000	56.7022235	-
0.0001235	-0.0003000	0.0000000					56.7022230	-0.0001230	0.5000	
510:	45	5	41	43	5	39		56.7021000	56.7022224	-
0.0001224	-0.0003000	0.0000000					56.7022230	-0.0001230	0.5000	
511:	46	5	41	44	5	39		57.9737000	57.9734719	
0.0002281	-0.0003000	0.0000000					57.9734711	0.0002289	0.5000	
512:	46	5	42	44	5	40		57.9737000	57.9734704	
0.0002296	-0.0003000	0.0000000					57.9734711	0.0002289	0.5000	
513:	47	5	42	45	5	40		59.2445000	59.2445228	-
0.0000228	-0.0003000	0.0000000					59.2445219	-0.0000219	0.5000	
514:	47	5	43	45	5	41		59.2445000	59.2445211	-
0.0000211	-0.0003000	0.0000000					59.2445219	-0.0000219	0.5000	
515:	48	5	43	46	5	41		60.5154000	60.5153721	
0.0000279	-0.0003000	0.0000000					60.5153710	0.0000290	0.5000	
516:	48	5	44	46	5	42		60.5154000	60.5153700	
0.0000300	-0.0003000	0.0000000					60.5153710	0.0000290	0.5000	
517:	49	5	44	47	5	42		61.7858000	61.7860153	-
0.0002153	-0.0003000	0.0000000					61.7860141	-0.0002141	0.5000	
518:	49	5	45	47	5	43		61.7858000	61.7860128	-
0.0002128	-0.0003000	0.0000000					61.7860141	-0.0002141	0.5000	
519:	50	5	45	48	5	43		63.0568000	63.0564482	
0.0003518	-0.0003000	0.0000000					63.0564467	0.0003533	0.5000	
520:	50	5	46	48	5	44		63.0568000	63.0564451	
0.0003549	-0.0003000	0.0000000					63.0564467	0.0003533	0.5000	
521:	51	5	46	49	5	44		64.3267000	64.3266663	
0.0000337	-0.0003000	0.0000000						9.5643000	9.5642259	
522:	8	6	2	6	6	0				
0.0000741	-0.0003000	0.0000000					9.5642259	0.0000741	0.5000	
523:	8	6	3	6	6	1		9.5643000	9.5642259	
0.0000741	-0.0003000	0.0000000					9.5642259	0.0000741	0.5000	
524:	9	6	3	7	6	1		10.8393000	10.8393553	-
0.0000553	-0.0003000	0.0000000					10.8393553	-0.0000553	0.5000	
525:	9	6	4	7	6	2		10.8393000	10.8393553	-
0.0000553	-0.0003000	0.0000000					10.8393553	-0.0000553	0.5000	
526:	10	6	4	8	6	2		12.1144000	12.1144470	-
0.0000470	-0.0003000	0.0000000					12.1144470	-0.0000470	0.5000	
527:	10	6	5	8	6	3		12.1144000	12.1144470	-
0.0000470	-0.0003000	0.0000000					12.1144470	-0.0000470	0.5000	
528:	11	6	5	9	6	3		13.3895000	13.3894964	
0.0000036	-0.0003000	0.0000000					13.3894964	0.0000036	0.5000	
529:	11	6	6	9	6	4		13.3895000	13.3894964	
0.0000036	-0.0003000	0.0000000					13.3894964	0.0000036	0.5000	
530:	12	6	6	10	6	4		14.6645000	14.6644991	
0.0000009	-0.0003000	0.0000000					14.6644991	0.0000009	0.5000	
531:	12	6	7	10	6	5		14.6645000	14.6644991	
0.0000009	-0.0003000	0.0000000					14.6644991	0.0000009	0.5000	
532:	13	6	7	11	6	5		15.9394000	15.9394508	-
0.0000508	-0.0003000	0.0000000					15.9394508	-0.0000508	0.5000	
533:	13	6	8	11	6	6		15.9394000	15.9394508	-
0.0000508	-0.0003000	0.0000000					15.9394508	-0.0000508	0.5000	
534:	14	6	8	12	6	6		17.2144000	17.2143469	
0.0000531	-0.0003000	0.0000000					17.2143469	0.0000531	0.5000	

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535:	14	6	9	12	6	7		17.2144000	17.2143469
0.0000531	-0.0003000	0.0000000					17.2143469	0.0000531	0.5000
536:	15	6	9	13	6	7		18.4892000	18.4891831
0.0000169	-0.0003000	0.0000000					18.4891831	0.0000169	0.5000
537:	15	6	10	13	6	8		18.4892000	18.4891831
0.0000169	-0.0003000	0.0000000					18.4891831	0.0000169	0.5000
538:	16	6	10	14	6	8		19.7640000	19.7639548
0.0000452	-0.0003000	0.0000000					19.7639548	0.0000452	0.5000
539:	16	6	11	14	6	9		19.7640000	19.7639548
0.0000452	-0.0003000	0.0000000					19.7639548	0.0000452	0.5000
540:	17	6	11	15	6	9		21.0386000	21.0386576 -
0.0000576	-0.0003000	0.0000000					21.0386576	-0.0000576	0.5000
541:	17	6	12	15	6	10		21.0386000	21.0386576 -
0.0000576	-0.0003000	0.0000000					21.0386576	-0.0000576	0.5000
542:	18	6	12	16	6	10		22.3133000	22.3132871
0.0000129	-0.0003000	0.0000000					22.3132871	0.0000129	0.5000
543:	18	6	13	16	6	11		22.3133000	22.3132871
0.0000129	-0.0003000	0.0000000					22.3132871	0.0000129	0.5000
544:	19	6	13	17	6	11		23.5878000	23.5878388 -
0.0000388	-0.0003000	0.0000000							
545:	21	6	15	19	6	13		26.1367000	26.1366911
0.0000089	-0.0003000	0.0000000					26.1366911	0.0000089	0.5000
546:	21	6	16	19	6	14		26.1367000	26.1366911
0.0000089	-0.0003000	0.0000000					26.1366911	0.0000089	0.5000
547:	22	6	16	20	6	14		27.4110000	27.4109829
0.0000171	-0.0003000	0.0000000					27.4109829	0.0000171	0.5000
548:	22	6	17	20	6	15		27.4110000	27.4109829
0.0000171	-0.0003000	0.0000000					27.4109829	0.0000171	0.5000
549:	23	6	17	21	6	15		28.6852000	28.6851791
0.0000209	-0.0003000	0.0000000					28.6851791	0.0000209	0.5000
550:	23	6	18	21	6	16		28.6852000	28.6851791
0.0000209	-0.0003000	0.0000000					28.6851791	0.0000209	0.5000
551:	24	6	18	22	6	16		29.9592000	29.9592753 -
0.0000753	-0.0003000	0.0000000					29.9592753	-0.0000753	0.5000
552:	24	6	19	22	6	17		29.9592000	29.9592753 -
0.0000753	-0.0003000	0.0000000					29.9592753	-0.0000753	0.5000
553:	25	6	19	23	6	17		31.2333000	31.2332670
0.0000330	-0.0003000	0.0000000					31.2332670	0.0000330	0.5000
554:	25	6	20	23	6	18		31.2333000	31.2332670
0.0000330	-0.0003000	0.0000000					31.2332670	0.0000330	0.5000
555:	26	6	20	24	6	18		32.5071000	32.5071498 -
0.0000498	-0.0003000	0.0000000					32.5071498	-0.0000498	0.5000
556:	26	6	21	24	6	19		32.5071000	32.5071498 -
0.0000498	-0.0003000	0.0000000					32.5071498	-0.0000498	0.5000
557:	27	6	21	25	6	19		33.7809000	33.7809194 -
0.0000194	-0.0003000	0.0000000					33.7809194	-0.0000194	0.5000
558:	27	6	22	25	6	20		33.7809000	33.7809194 -
0.0000194	-0.0003000	0.0000000					33.7809194	-0.0000194	0.5000
559:	28	6	22	26	6	20		35.0545000	35.0545711 -
0.0000711	-0.0003000	0.0000000					35.0545711	-0.0000711	0.5000
560:	28	6	23	26	6	21		35.0545000	35.0545711 -
0.0000711	-0.0003000	0.0000000					35.0545711	-0.0000711	0.5000
561:	29	6	23	27	6	21		36.3281000	36.3281006 -
0.0000006	-0.0003000	0.0000000					36.3281006	-0.0000006	0.5000
562:	29	6	24	27	6	22		36.3281000	36.3281006 -
0.0000006	-0.0003000	0.0000000					36.3281006	-0.0000006	0.5000
563:	30	6	24	28	6	22		37.6016000	37.6015033
0.0000967	-0.0003000	0.0000000					37.6015033	0.0000967	0.5000
564:	30	6	25	28	6	23		37.6016000	37.6015033
0.0000967	-0.0003000	0.0000000					37.6015033	0.0000967	0.5000

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565:	31	6	25	29	6	23		38.8748000	38.8747750
0.0000250	-0.0003000	0.0000000					38.8747750	0.0000250	0.5000
566:	31	6	26	29	6	24		38.8748000	38.8747750
0.0000250	-0.0003000	0.0000000					38.8747750	0.0000250	0.5000
567:	32	6	26	30	6	24		40.1478000	40.1479111 -
0.0001111	-0.0003000	0.0000000					40.1479111	-0.0001111	0.5000
568:	32	6	27	30	6	25		40.1478000	40.1479111 -
0.0001111	-0.0003000	0.0000000					40.1479111	-0.0001111	0.5000
569:	33	6	27	31	6	25		41.4209000	41.4209071 -
0.0000071	-0.0003000	0.0000000					41.4209071	-0.0000071	0.5000
570:	33	6	28	31	6	26		41.4209000	41.4209071 -
0.0000071	-0.0003000	0.0000000					41.4209071	-0.0000071	0.5000
571:	34	6	28	32	6	26		42.6938000	42.6937587
0.0000413	-0.0003000	0.0000000					42.6937587	0.0000413	0.5000
572:	34	6	29	32	6	27		42.6938000	42.6937587
0.0000413	-0.0003000	0.0000000					42.6937587	0.0000413	0.5000
573:	35	6	29	33	6	27		43.9665000	43.9664613
0.0000387	-0.0003000	0.0000000					43.9664613	0.0000387	0.5000
574:	35	6	30	33	6	28		43.9665000	43.9664613
0.0000387	-0.0003000	0.0000000					43.9664613	0.0000387	0.5000
575:	36	6	30	34	6	28		45.2389000	45.2390106 -
0.0001106	-0.0003000	0.0000000					45.2390106	-0.0001106	0.5000
576:	36	6	31	34	6	29		45.2389000	45.2390106 -
0.0001106	-0.0003000	0.0000000					45.2390106	-0.0001106	0.5000
577:	37	6	31	35	6	29		46.5115000	46.5114020
0.0000980	-0.0003000	0.0000000					46.5114020	0.0000980	0.5000
578:	37	6	32	35	6	30		46.5115000	46.5114020
0.0000980	-0.0003000	0.0000000					46.5114020	0.0000980	0.5000
579:	38	6	32	36	6	30		47.7838000	47.7836311
0.0001689	-0.0003000	0.0000000					47.7836311	0.0001689	0.5000
580:	38	6	33	36	6	31		47.7838000	47.7836311
0.0001689	-0.0003000	0.0000000					47.7836311	0.0001689	0.5000
581:	39	6	33	37	6	31		49.0556000	49.0556935 -
0.0000935	-0.0003000	0.0000000					49.0556935	-0.0000935	0.5000
582:	39	6	34	37	6	32		49.0556000	49.0556935 -
0.0000935	-0.0003000	0.0000000					49.0556935	-0.0000935	0.5000
583:	40	6	34	38	6	32		50.3276000	50.3275847
0.0000153	-0.0003000	0.0000000							
584:	42	6	36	40	6	34		52.8707000	52.8708357 -
0.0001357	-0.0003000	0.0000000					52.8708357	-0.0001357	0.5000
585:	42	6	37	40	6	35		52.8707000	52.8708357 -
0.0001357	-0.0003000	0.0000000					52.8708357	-0.0001357	0.5000
586:	43	6	37	41	6	35		54.1421000	54.1421866 -
0.0000866	-0.0003000	0.0000000					54.1421866	-0.0000866	0.5000
587:	43	6	38	41	6	36		54.1421000	54.1421866 -
0.0000866	-0.0003000	0.0000000					54.1421866	-0.0000866	0.5000
588:	44	6	38	42	6	36		55.4133000	55.4133485 -
0.0000485	-0.0003000	0.0000000					55.4133485	-0.0000485	0.5000
589:	44	6	39	42	6	37		55.4133000	55.4133485 -
0.0000485	-0.0003000	0.0000000					55.4133485	-0.0000485	0.5000
590:	45	6	39	43	6	37		56.6844000	56.6843169
0.0000831	-0.0003000	0.0000000					56.6843169	0.0000831	0.5000
591:	45	6	40	43	6	38		56.6844000	56.6843169
0.0000831	-0.0003000	0.0000000					56.6843169	0.0000831	0.5000
592:	46	6	40	44	6	38		57.9552000	57.9550875
0.0001125	-0.0003000	0.0000000					57.9550875	0.0001125	0.5000
593:	46	6	41	44	6	39		57.9552000	57.9550874
0.0001126	-0.0003000	0.0000000					57.9550875	0.0001125	0.5000
594:	47	6	41	45	6	39		59.2255000	59.2256556 -
0.0001556	-0.0003000	0.0000000					59.2256556	-0.0001556	0.5000

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595: 47 6 42 45 6 40		59.2255000	59.2256556	-
0.0001556 -0.0003000 0.0000000	59.2256556	-0.0001556	0.5000	
596: 48 6 42 46 6 40		60.4960000	60.4960169	-
0.0000169 -0.0003000 0.0000000	60.4960169	-0.0000169	0.5000	
597: 48 6 43 46 6 41		60.4960000	60.4960169	-
0.0000169 -0.0003000 0.0000000	60.4960169	-0.0000169	0.5000	
598: 49 6 43 47 6 41		61.7661000	61.7661670	-
0.0000670 -0.0003000 0.0000000	61.7661669	-0.0000669	0.5000	
599: 49 6 44 47 6 42		61.7661000	61.7661669	-
0.0000669 -0.0003000 0.0000000	61.7661669	-0.0000669	0.5000	
600: 50 6 44 48 6 42		63.0363000	63.0361012	
0.0001988 -0.0003000 0.0000000	63.0361012	0.0001988	0.5000	
601: 50 6 45 48 6 43		63.0363000	63.0361012	
0.0001988 -0.0003000 0.0000000	63.0361012	0.0001988	0.5000	
602: 51 6 45 49 6 43		64.3061000	64.3058153	
0.0002847 -0.0003000 0.0000000				
603: 9 7 2 7 7 0		10.8354000	10.8355741	-
0.0001741 -0.0003000 0.0000000	10.8355741	-0.0001741	0.5000	
604: 9 7 3 7 7 1		10.8354000	10.8355741	-
0.0001741 -0.0003000 0.0000000	10.8355741	-0.0001741	0.5000	
605: 10 7 3 8 7 1		12.1101000	12.1102192	-
0.0001192 -0.0003000 0.0000000	12.1102192	-0.0001192	0.5000	
606: 10 7 4 8 7 2		12.1101000	12.1102192	-
0.0001192 -0.0003000 0.0000000	12.1102192	-0.0001192	0.5000	
607: 11 7 4 9 7 2		13.3849000	13.3848217	
0.0000783 -0.0003000 0.0000000	13.3848217	0.0000783	0.5000	
608: 11 7 5 9 7 3		13.3849000	13.3848217	
0.0000783 -0.0003000 0.0000000	13.3848217	0.0000783	0.5000	
609: 12 7 5 10 7 3		14.6594000	14.6593769	
0.0000231 -0.0003000 0.0000000	14.6593769	0.0000231	0.5000	
610: 12 7 6 10 7 4		14.6594000	14.6593769	
0.0000231 -0.0003000 0.0000000	14.6593769	0.0000231	0.5000	
611: 13 7 6 11 7 4		15.9337000	15.9338803	-
0.0001803 -0.0003000 0.0000000	15.9338803	-0.0001803	0.5000	
612: 13 7 7 11 7 5		15.9337000	15.9338803	-
0.0001803 -0.0003000 0.0000000	15.9338803	-0.0001803	0.5000	
613: 14 7 7 12 7 5		17.2083000	17.2083275	-
0.0000275 -0.0003000 0.0000000	17.2083275	-0.0000275	0.5000	
614: 14 7 8 12 7 6		17.2083000	17.2083275	-
0.0000275 -0.0003000 0.0000000	17.2083275	-0.0000275	0.5000	
615: 15 7 8 13 7 6		18.4827000	18.4827139	-
0.0000139 -0.0003000 0.0000000	18.4827139	-0.0000139	0.5000	
616: 15 7 9 13 7 7		18.4827000	18.4827139	-
0.0000139 -0.0003000 0.0000000	18.4827139	-0.0000139	0.5000	
617: 16 7 9 14 7 7		19.7570000	19.7570351	-
0.0000351 -0.0003000 0.0000000	19.7570351	-0.0000351	0.5000	
618: 16 7 10 14 7 8		19.7570000	19.7570351	-
0.0000351 -0.0003000 0.0000000	19.7570351	-0.0000351	0.5000	
619: 17 7 10 15 7 8		21.0313000	21.0312866	
0.0000134 -0.0003000 0.0000000	21.0312866	0.0000134	0.5000	
620: 17 7 11 15 7 9		21.0313000	21.0312866	
0.0000134 -0.0003000 0.0000000	21.0312866	0.0000134	0.5000	
621: 18 7 11 16 7 9		22.3053000	22.3054638	-
0.0001638 -0.0003000 0.0000000	22.3054638	-0.0001638	0.5000	
622: 18 7 12 16 7 10		22.3053000	22.3054638	-
0.0001638 -0.0003000 0.0000000	22.3054638	-0.0001638	0.5000	
623: 19 7 12 17 7 10		23.5795000	23.5795622	-
0.0000622 -0.0003000 0.0000000	23.5795622	-0.0000622	0.5000	
624: 19 7 13 17 7 11		23.5795000	23.5795622	-
0.0000622 -0.0003000 0.0000000	23.5795622	-0.0000622	0.5000	

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625:	20	7	13	18	7	11		24.8536000	24.8535774
0.0000226	-0.0003000	0.0000000					24.8535774	0.0000226	0.5000
626:	20	7	14	18	7	12		24.8536000	24.8535774
0.0000226	-0.0003000	0.0000000					24.8535774	0.0000226	0.5000
627:	21	7	14	19	7	12		26.1275000	26.1275049 -
0.0000049	-0.0003000	0.0000000					26.1275049	-0.0000049	0.5000
628:	21	7	15	19	7	13		26.1275000	26.1275049 -
0.0000049	-0.0003000	0.0000000					26.1275049	-0.0000049	0.5000
629:	22	7	15	20	7	13		27.4013000	27.4013400 -
0.0000400	-0.0003000	0.0000000					27.4013400	-0.0000400	0.5000
630:	22	7	16	20	7	14		27.4013000	27.4013400 -
0.0000400	-0.0003000	0.0000000					27.4013400	-0.0000400	0.5000
631:	23	7	16	21	7	14		28.6750000	28.6750785 -
0.0000785	-0.0003000	0.0000000					28.6750785	-0.0000785	0.5000
632:	23	7	17	21	7	15		28.6750000	28.6750785 -
0.0000785	-0.0003000	0.0000000					28.6750785	-0.0000785	0.5000
633:	24	7	17	22	7	15		29.9487000	29.9487157 -
0.0000157	-0.0003000	0.0000000					29.9487157	-0.0000157	0.5000
634:	24	7	18	22	7	16		29.9487000	29.9487157 -
0.0000157	-0.0003000	0.0000000					29.9487157	-0.0000157	0.5000
635:	25	7	18	23	7	16		31.2222000	31.2222471 -
0.0000471	-0.0003000	0.0000000					31.2222471	-0.0000471	0.5000
636:	25	7	19	23	7	17		31.2222000	31.2222471 -
0.0000471	-0.0003000	0.0000000					31.2222471	-0.0000471	0.5000
637:	26	7	19	24	7	17		32.4956000	32.4956682 -
0.0000682	-0.0003000	0.0000000					32.4956682	-0.0000682	0.5000
638:	26	7	20	24	7	18		32.4956000	32.4956682 -
0.0000682	-0.0003000	0.0000000					32.4956682	-0.0000682	0.5000
639:	27	7	20	25	7	18		33.7690000	33.7689746
0.0000254	-0.0003000	0.0000000					33.7689746	0.0000254	0.5000
640:	27	7	21	25	7	19		33.7690000	33.7689746
0.0000254	-0.0003000	0.0000000					33.7689746	0.0000254	0.5000
641:	28	7	21	26	7	19		35.0422000	35.0421617
0.0000383	-0.0003000	0.0000000					35.0421617	0.0000383	0.5000
642:	28	7	22	26	7	20		35.0422000	35.0421617
0.0000383	-0.0003000	0.0000000					35.0421617	0.0000383	0.5000
643:	29	7	22	27	7	20		36.3151000	36.3152251 -
0.0001251	-0.0003000	0.0000000					36.3152251	-0.0001251	0.5000
644:	29	7	23	27	7	21		36.3151000	36.3152251 -
0.0001251	-0.0003000	0.0000000					36.3152251	-0.0001251	0.5000
645:	30	7	23	28	7	21		37.5880000	37.5881602 -
0.0001602	-0.0003000	0.0000000					37.5881602	-0.0001602	0.5000
646:	30	7	24	28	7	22		37.5880000	37.5881602 -
0.0001602	-0.0003000	0.0000000					37.5881602	-0.0001602	0.5000
647:	31	7	24	29	7	22		38.8609000	38.8609625 -
0.0000625	-0.0003000	0.0000000					38.8609625	-0.0000625	0.5000
648:	31	7	25	29	7	23		38.8609000	38.8609625 -
0.0000625	-0.0003000	0.0000000					38.8609625	-0.0000625	0.5000
649:	32	7	25	30	7	23		40.1335000	40.1336275 -
0.0001275	-0.0003000	0.0000000					40.1336275	-0.0001275	0.5000
650:	32	7	26	30	7	24		40.1335000	40.1336275 -
0.0001275	-0.0003000	0.0000000					40.1336275	-0.0001275	0.5000
651:	33	7	26	31	7	24		41.4060000	41.4061508 -
0.0001508	-0.0003000	0.0000000					41.4061508	-0.0001508	0.5000
652:	33	7	27	31	7	25		41.4060000	41.4061508 -
0.0001508	-0.0003000	0.0000000					41.4061508	-0.0001508	0.5000
653:	34	7	27	32	7	25		42.6786000	42.6785277
0.0000723	-0.0003000	0.0000000					42.6785277	0.0000723	0.5000
654:	34	7	28	32	7	26		42.6786000	42.6785277
0.0000723	-0.0003000	0.0000000					42.6785277	0.0000723	0.5000

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655:	35	7	28	33	7	26		43.9507000	43.9507539	-
0.0000539	-0.0003000	0.0000000					43.9507539	-0.0000539	0.5000	
656:	35	7	29	33	7	27		43.9507000	43.9507539	-
0.0000539	-0.0003000	0.0000000					43.9507539	-0.0000539	0.5000	
657:	36	7	29	34	7	27		45.2227000	45.2228248	-
0.0001248	-0.0003000	0.0000000					45.2228248	-0.0001248	0.5000	
658:	36	7	30	34	7	28		45.2227000	45.2228248	-
0.0001248	-0.0003000	0.0000000					45.2228248	-0.0001248	0.5000	
659:	37	7	30	35	7	28		46.4947000	46.4947359	-
0.0000359	-0.0003000	0.0000000					46.4947359	-0.0000359	0.5000	
660:	37	7	31	35	7	29		46.4947000	46.4947359	-
0.0000359	-0.0003000	0.0000000					46.4947359	-0.0000359	0.5000	
661:	38	7	31	36	7	29		47.7664000	47.7664827	-
0.0000827	-0.0003000	0.0000000					47.7664827	-0.0000827	0.5000	
662:	38	7	32	36	7	30		47.7664000	47.7664827	-
0.0000827	-0.0003000	0.0000000					47.7664827	-0.0000827	0.5000	
663:	39	7	32	37	7	30		49.0381000	49.0380607	
0.0000393	-0.0003000	0.0000000					49.0380607	0.0000393	0.5000	
664:	39	7	33	37	7	31		49.0381000	49.0380607	
0.0000393	-0.0003000	0.0000000					49.0380607	0.0000393	0.5000	
665:	40	7	33	38	7	31		50.3094000	50.3094654	-
0.0000654	-0.0003000	0.0000000					50.3094654	-0.0000654	0.5000	
666:	40	7	34	38	7	32		50.3094000	50.3094654	-
0.0000654	-0.0003000	0.0000000					50.3094654	-0.0000654	0.5000	
667:	41	7	34	39	7	32		51.5808000	51.5806922	
0.0001078	-0.0003000	0.0000000								
668:	43	7	36	41	7	34		54.1226000	54.1225945	
0.0000055	-0.0003000	0.0000000					54.1225945	0.0000055	0.5000	
669:	43	7	37	41	7	35		54.1226000	54.1225945	
0.0000055	-0.0003000	0.0000000					54.1225945	0.0000055	0.5000	
670:	44	7	37	42	7	35		55.3931000	55.3932609	-
0.0001609	-0.0003000	0.0000000					55.3932609	-0.0001609	0.5000	
671:	44	7	38	42	7	36		55.3931000	55.3932609	-
0.0001609	-0.0003000	0.0000000					55.3932609	-0.0001609	0.5000	
672:	45	7	38	43	7	36		56.6636000	56.6637315	-
0.0001315	-0.0003000	0.0000000					56.6637315	-0.0001315	0.5000	
673:	45	7	39	43	7	37		56.6636000	56.6637315	-
0.0001315	-0.0003000	0.0000000					56.6637315	-0.0001315	0.5000	
674:	46	7	39	44	7	37		57.9340000	57.9340017	-
0.0000017	-0.0003000	0.0000000					57.9340017	-0.0000017	0.5000	
675:	46	7	40	44	7	38		57.9340000	57.9340017	-
0.0000017	-0.0003000	0.0000000					57.9340017	-0.0000017	0.5000	
676:	47	7	40	45	7	38		59.2039000	59.2040671	-
0.0001671	-0.0003000	0.0000000					59.2040671	-0.0001671	0.5000	
677:	47	7	41	45	7	39		59.2039000	59.2040671	-
0.0001671	-0.0003000	0.0000000					59.2040671	-0.0001671	0.5000	
678:	48	7	41	46	7	39		60.4741000	60.4739232	
0.0001768	-0.0003000	0.0000000					60.4739232	0.0001768	0.5000	
679:	48	7	42	46	7	40		60.4741000	60.4739232	
0.0001768	-0.0003000	0.0000000					60.4739232	0.0001768	0.5000	
680:	49	7	42	47	7	40		61.7435000	61.7435653	-
0.0000653	-0.0003000	0.0000000								

NORMALIZED DIAGONAL:

1	1.00000E+000	2	9.64410E-001	3	5.69453E-001	4	7.93648E-001
5	3.54906E-001	6	1.06890E-001				
7	1.88109E-001	8	9.77543E-001	9	4.65622E-001		

MARQUARDT PARAMETER = 0, TRUST EXPANSION = 1.00

NEW PARAMETER (EST. ERROR) -- CHANGE THIS

ITERATION





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21: 19 2 17 1 18 2 17 0	414.2716000	414.2713634	
0.0002366 -0.0002000 0.0000000			
22: 20 2 18 1 19 2 18 0	414.9500000	414.9502168	-
0.0002168 -0.0002000 0.0000000			
23: 21 2 19 1 20 2 19 0	415.6319000	415.6321055	-
0.0002055 -0.0002000 0.0000000			
24: 22 2 20 1 21 2 20 0	416.3167000	416.3171730	-
0.0004730 -0.0002000 0.0000000			
25: 23 2 21 1 22 2 21 0	417.0052000	417.0055683	-
0.0003683 -0.0002000 0.0000000			
26: 5 2 3 1 6 2 5 0	398.0015000	398.0012158	
0.0002842 -0.0002000 0.0000000			
27: 6 2 4 1 7 2 6 0	397.3725000	397.3728614	-
0.0003614 -0.0002000 0.0000000			
28: 8 2 6 1 9 2 8 0	396.1215000	396.1214757	
0.0000243 -0.0002000 0.0000000			
29: 9 2 7 1 10 2 9 0	395.4988000	395.4985609	
0.0002391 -0.0002000 0.0000000			
30: 10 2 8 1 11 2 10 0	394.8776000	394.8775880	
0.0000120 -0.0002000 0.0000000			
31: 12 2 10 1 13 2 12 0	393.6425000	393.6417811	
0.0007189 -0.0002000 0.0000000			
32: 13 2 11 1 14 2 13 0	393.0274000	393.0271216	
0.0002784 -0.0002000 0.0000000			
33: 14 2 12 1 15 2 14 0	392.4148000	392.4147530	
0.0000470 -0.0002000 0.0000000			
34: 15 2 13 1 16 2 15 0	391.8054000	391.8047804	
0.0006196 -0.0002000 0.0000000			
35: 16 2 14 1 17 2 16 0	391.1978000	391.1973156	
0.0004844 -0.0002000 0.0000000			
36: 17 2 15 1 18 2 17 0	390.5928000	390.5924774	
0.0003226 -0.0002000 0.0000000			
37: 18 2 16 1 19 2 18 0	389.9912000	389.9903912	
0.0008088 -0.0002000 0.0000000			
38: 19 2 17 1 20 2 19 0	389.3916000	389.3911888	
0.0004112 -0.0002000 0.0000000			
39: 20 2 18 1 21 2 20 0	388.7953000	388.7950083	
0.0002917 -0.0002000 0.0000000			
40: 21 2 19 1 22 2 21 0	388.2020000	388.2019938	
0.0000062 -0.0002000 0.0000000			
41: 22 2 20 1 23 2 22 0	387.6121000	387.6122954	-
0.0001954 -0.0002000 0.0000000			
42: 23 2 21 1 24 2 23 0	387.0253000	387.0260683	-
0.0007683 -0.0002000 0.0000000			
43: 6 3 3 1 5 3 3 0	398.2385000	398.2394103	-
0.0009103 -0.0002000 0.0000000	398.2394101	-0.0009101 0.5000	
44: 6 3 4 1 5 3 2 0	398.2385000	398.2394098	-
0.0009098 -0.0002000 0.0000000	398.2394101	-0.0009101 0.5000	
45: 7 3 4 1 6 3 4 0	398.8880000	398.8886473	-
0.0006473 -0.0002000 0.0000000	398.8886467	-0.0006467 0.5000	
46: 7 3 5 1 6 3 3 0	398.8880000	398.8886460	-
0.0006460 -0.0002000 0.0000000	398.8886467	-0.0006467 0.5000	
47: 8 3 5 1 7 3 5 0	399.5387000	399.5394774	-
0.0007774 -0.0002000 0.0000000	399.5394759	-0.0007759 0.5000	
48: 8 3 6 1 7 3 4 0	399.5387000	399.5394744	-
0.0007744 -0.0002000 0.0000000	399.5394759	-0.0007759 0.5000	
49: 9 3 6 1 8 3 6 0	400.1914000	400.1919013	-
0.0005013 -0.0002000 0.0000000	400.1918982	-0.0004982 0.5000	
50: 9 3 7 1 8 3 5 0	400.1914000	400.1918951	-
0.0004951 -0.0002000 0.0000000	400.1918982	-0.0004982 0.5000	

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51: 10 3 7 1 9 3 7 0	400.8454000	400.8459201	-
0.0005201 -0.0002000 0.0000000	400.8459142	-0.0005142	0.5000
52: 10 3 8 1 9 3 6 0	400.8454000	400.8459084	-
0.0005084 -0.0002000 0.0000000	400.8459142	-0.0005142	0.5000
53: 11 3 8 1 10 3 8 0	401.5009000	401.5015353	-
0.0006353 -0.0002000 0.0000000	401.5015250	-0.0006250	0.5000
54: 11 3 9 1 10 3 7 0	401.5009000	401.5015146	-
0.0006146 -0.0002000 0.0000000	401.5015250	-0.0006250	0.5000
55: 12 3 9 1 11 3 9 0	402.1585000	402.1587490	-
0.0002490 -0.0002000 0.0000000	402.1587316	-0.0002316	0.5000
56: 12 3 10 1 11 3 8 0	402.1585000	402.1587143	-
0.0002143 -0.0002000 0.0000000	402.1587316	-0.0002316	0.5000
57: 13 3 10 1 12 3 10 0	402.8172000	402.8175638	-
0.0003638 -0.0002000 0.0000000	402.8175357	-0.0003357	0.5000
58: 13 3 11 1 12 3 9 0	402.8172000	402.8175077	-
0.0003077 -0.0002000 0.0000000	402.8175357	-0.0003357	0.5000
59: 14 3 11 1 13 3 11 0	403.4776000	403.4779826	-
0.0003826 -0.0002000 0.0000000	403.4779390	-0.0003390	0.5000
60: 14 3 12 1 13 3 10 0	403.4776000	403.4778954	-
0.0002954 -0.0002000 0.0000000	403.4779390	-0.0003390	0.5000
61: 15 3 12 1 14 3 12 0	404.1396000	404.1400094	-
0.0004094 -0.0002000 0.0000000	404.1399436	-0.0003436	0.5000
62: 15 3 13 1 14 3 11 0	404.1396000	404.1398778	-
0.0002778 -0.0002000 0.0000000	404.1399436	-0.0003436	0.5000
63: 16 3 13 1 15 3 13 0	404.8034000	404.8036484	-
0.0002484 -0.0002000 0.0000000	404.8035517	-0.0001517	0.5000
64: 16 3 14 1 15 3 12 0	404.8034000	404.8034550	-
0.0000550 -0.0002000 0.0000000	404.8035517	-0.0001517	0.5000
65: 17 3 14 1 16 3 14 0	405.4685000	405.4689048	-
0.0004048 -0.0002000 0.0000000	405.4687659	-0.0002659	0.5000
66: 17 3 15 1 16 3 13 0	405.4685000	405.4686270	-
0.0001270 -0.0002000 0.0000000	405.4687659	-0.0002659	0.5000
67: 18 3 15 1 17 3 15 0	406.1354000	406.1357844	-
0.0003844 -0.0002000 0.0000000	406.1355891	-0.0001891	0.5000
68: 18 3 16 1 17 3 14 0	406.1354000	406.1353939	-
0.0000061 -0.0002000 0.0000000	406.1355891	-0.0001891	0.5000
69: 19 3 16 1 18 3 16 0	406.8039000	406.8042941	-
0.0003941 -0.0002000 0.0000000	406.8040245	-0.0001245	0.5000
70: 19 3 17 1 18 3 15 0	406.8039000	406.8037549	-
0.0001451 -0.0002000 0.0000000	406.8040245	-0.0001245	0.5000
71: 20 3 17 1 19 3 17 0	407.4740000	407.4744415	-
0.0004415 -0.0002000 0.0000000	407.4740754	-0.0000754	0.5000
72: 20 3 18 1 19 3 16 0	407.4740000	407.4737093	-
0.0002907 -0.0002000 0.0000000	407.4740754	-0.0000754	0.5000
73: 21 3 18 1 20 3 18 0	408.1457000	408.1462352	-
0.0005352 -0.0002000 0.0000000	408.1457455	-0.0000455	0.5000
74: 21 3 19 1 20 3 17 0	408.1457000	408.1452558	-
0.0004442 -0.0002000 0.0000000	408.1457455	-0.0000455	0.5000
75: 23 3 21 1 22 3 19 0	409.4930000	409.4931169	-
0.0001169 -0.0002000 0.0000000			
76: 23 3 20 1 22 3 20 0	409.4949000	409.4948019	-
0.0000981 -0.0002000 0.0000000			
77: 24 3 22 1 23 3 20 0	410.1696000	410.1694260	-
0.0001740 -0.0002000 0.0000000			
78: 24 3 21 1 23 3 21 0	410.1718000	410.1715978	-
0.0002022 -0.0002000 0.0000000			
79: 25 3 23 1 24 3 21 0	410.8477000	410.8473158	-
0.0003842 -0.0002000 0.0000000			
80: 25 3 22 1 24 3 22 0	410.8503000	410.8500863	-
0.0002137 -0.0002000 0.0000000			

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81: 26 3 24 1 25 3 22 0		411.5272000	411.5267818	
0.0004182 -0.0002000 0.0000000				
82: 26 3 23 1 25 3 23 0		411.5306000	411.5302822	
0.0003178 -0.0002000 0.0000000				
83: 27 3 25 1 26 3 23 0		412.2081000	412.2078181	
0.0002819 -0.0002000 0.0000000				
84: 27 3 24 1 26 3 24 0		412.2127000	412.2122020	
0.0004980 -0.0002000 0.0000000				
85: 28 3 26 1 27 3 24 0		412.8909000	412.8904181	
0.0004819 -0.0002000 0.0000000				
86: 28 3 25 1 27 3 25 0		412.8961000	412.8958635	
0.0002365 -0.0002000 0.0000000				
87: 29 3 27 1 28 3 25 0		413.5753000	413.5745739	
0.0007261 -0.0002000 0.0000000				
88: 29 3 26 1 28 3 26 0		413.5814000	413.5812866	
0.0001134 -0.0002000 0.0000000				
89: 30 3 28 1 29 3 26 0		414.2609000	414.2602764	
0.0006236 -0.0002000 0.0000000				
90: 30 3 27 1 29 3 27 0		414.2685000	414.2684926	
0.0000074 -0.0002000 0.0000000				
91: 31 3 29 1 30 3 27 0		414.9481000	414.9475154	
0.0005846 -0.0002000 0.0000000				
92: 6 3 3 1 7 3 5 0		389.9437000	389.9445754	-
0.0008754 -0.0002000 0.0000000	389.9445749	-0.0008749	0.5000	
93: 6 3 4 1 7 3 4 0		389.9437000	389.9445744	-
0.0008744 -0.0002000 0.0000000	389.9445749	-0.0008749	0.5000	
94: 7 3 4 1 8 3 6 0		389.3173000	389.3177462	-
0.0004462 -0.0002000 0.0000000	389.3177451	-0.0004451	0.5000	
95: 7 3 5 1 8 3 5 0		389.3173000	389.3177440	-
0.0004440 -0.0002000 0.0000000	389.3177451	-0.0004451	0.5000	
96: 8 3 5 1 9 3 7 0		388.6920000	388.6925368	-
0.0005368 -0.0002000 0.0000000	388.6925345	-0.0005345	0.5000	
97: 8 3 6 1 9 3 6 0		388.6920000	388.6925321	-
0.0005321 -0.0002000 0.0000000	388.6925345	-0.0005345	0.5000	
98: 9 3 6 1 10 3 8 0		388.0682000	388.0689516	-
0.0007516 -0.0002000 0.0000000	388.0689471	-0.0007471	0.5000	
99: 9 3 7 1 10 3 7 0		388.0682000	388.0689425	-
0.0007425 -0.0002000 0.0000000	388.0689471	-0.0007471	0.5000	
100: 10 3 7 1 11 3 9 0		387.4466000	387.4469953	-
0.0003953 -0.0002000 0.0000000	387.4469871	-0.0003871	0.5000	
101: 10 3 8 1 11 3 8 0		387.4466000	387.4469789	-
0.0003789 -0.0002000 0.0000000	387.4469871	-0.0003871	0.5000	
102: 11 3 8 1 12 3 10 0		386.8261000	386.8266732	-
0.0005732 -0.0002000 0.0000000	386.8266591	-0.0005591	0.5000	
103: 11 3 9 1 12 3 9 0		386.8261000	386.8266450	-
0.0005450 -0.0002000 0.0000000	386.8266591	-0.0005591	0.5000	
104: 12 3 9 1 13 3 11 0		386.2074000	386.2079909	-
0.0005909 -0.0002000 0.0000000	386.2079678	-0.0005678	0.5000	
105: 12 3 10 1 13 3 10 0		386.2074000	386.2079447	-
0.0005447 -0.0002000 0.0000000	386.2079678	-0.0005678	0.5000	
106: 13 3 10 1 14 3 12 0		385.5904000	385.5909547	-
0.0005547 -0.0002000 0.0000000	385.5909183	-0.0005183	0.5000	
107: 13 3 11 1 14 3 11 0		385.5904000	385.5908818	-
0.0004818 -0.0002000 0.0000000	385.5909183	-0.0005183	0.5000	
108: 14 3 11 1 15 3 13 0		384.9752000	384.9755715	-
0.0003715 -0.0002000 0.0000000	384.9755158	-0.0003158	0.5000	
109: 14 3 12 1 15 3 12 0		384.9752000	384.9754601	-
0.0002601 -0.0002000 0.0000000	384.9755158	-0.0003158	0.5000	
110: 15 3 12 1 16 3 14 0		384.3614000	384.3618488	-
0.0004488 -0.0002000 0.0000000	384.3617660	-0.0003660	0.5000	

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111:	15	3	13	1	16	3	13	0		384.3614000	384.3616833	-
0.0002833	-0.0002000	0.0000000							384.3617660	-0.0003660	0.5000	
112:	16	3	13	1	17	3	15	0		383.7498000	383.7497947	
0.0000053	-0.0002000	0.0000000							383.7496748	0.0001252	0.5000	
113:	16	3	14	1	17	3	14	0		383.7498000	383.7495549	
0.0002451	-0.0002000	0.0000000							383.7496748	0.0001252	0.5000	
114:	17	3	14	1	18	3	16	0		383.1391000	383.1394182	-
0.0003182	-0.0002000	0.0000000							383.1392482	-0.0001482	0.5000	
115:	17	3	15	1	18	3	15	0		383.1391000	383.1390783	
0.0000217	-0.0002000	0.0000000							383.1392482	-0.0001482	0.5000	
116:	18	3	15	1	19	3	17	0		382.5303000	382.5307291	-
0.0004291	-0.0002000	0.0000000							382.5304928	-0.0001928	0.5000	
117:	18	3	16	1	19	3	16	0		382.5303000	382.5302564	
0.0000436	-0.0002000	0.0000000							382.5304928	-0.0001928	0.5000	
118:	19	3	16	1	20	3	18	0		381.9231000	381.9237381	-
0.0006381	-0.0002000	0.0000000							381.9234150	-0.0003150	0.5000	
119:	19	3	17	1	20	3	17	0		381.9231000	381.9230920	
0.0000080	-0.0002000	0.0000000							381.9234150	-0.0003150	0.5000	
120:	20	3	17	1	21	3	19	0		381.3181000	381.3184568	-
0.0003568	-0.0002000	0.0000000							381.3180220	0.0000780	0.5000	
121:	20	3	18	1	21	3	18	0		381.3181000	381.3175873	
0.0005127	-0.0002000	0.0000000							381.3180220	0.0000780	0.5000	
122:	22	3	19	1	23	3	21	0		380.1126000	380.1130751	-
0.0004751	-0.0002000	0.0000000							380.1123193	0.0002807	0.5000	
123:	22	3	20	1	23	3	20	0		380.1126000	380.1115635	
0.0010365	-0.0002000	0.0000000							380.1123193	0.0002807	0.5000	
124:	24	3	22	1	25	3	22	0		378.9122000	378.9121922	
0.0000078	-0.0002000	0.0000000										
125:	24	3	21	1	25	3	23	0		378.9150000	378.9146992	
0.0003008	-0.0002000	0.0000000										
126:	25	3	22	1	26	3	24	0		378.3184000	378.3181801	
0.0002199	-0.0002000	0.0000000										
127:	26	3	23	1	27	3	25	0		377.7232000	377.7234651	-
0.0002651	-0.0002000	0.0000000										
128:	27	3	25	1	28	3	25	0		377.1262000	377.1255938	
0.0006062	-0.0002000	0.0000000										
129:	27	3	24	1	28	3	26	0		377.1309000	377.1305750	
0.0003250	-0.0002000	0.0000000										
130:	28	3	26	1	29	3	26	0		376.5347000	376.5333726	
0.0013274	-0.0002000	0.0000000										
131:	28	3	25	1	29	3	27	0		376.5398000	376.5395322	
0.0002678	-0.0002000	0.0000000										
132:	29	3	27	1	30	3	27	0		375.9429000	375.9427996	
0.0001004	-0.0002000	0.0000000										
133:	29	3	26	1	30	3	28	0		375.9505000	375.9503606	
0.0001394	-0.0002000	0.0000000										
134:	6	4	2	1	5	4	2	0		389.5317000	389.5324235	-
0.0007235	-0.0002000	0.0000000							389.5324235	-0.0007235	0.5000	
135:	6	4	3	1	5	4	1	0		389.5317000	389.5324235	-
0.0007235	-0.0002000	0.0000000							389.5324235	-0.0007235	0.5000	
136:	7	4	3	1	6	4	3	0		390.1805000	390.1817626	-
0.0012626	-0.0002000	0.0000000							390.1817626	-0.0012626	0.5000	
137:	7	4	4	1	6	4	2	0		390.1805000	390.1817626	-
0.0012626	-0.0002000	0.0000000							390.1817626	-0.0012626	0.5000	
138:	8	4	4	1	7	4	4	0		390.8324000	390.8327204	-
0.0003204	-0.0002000	0.0000000							390.8327204	-0.0003204	0.5000	
139:	8	4	5	1	7	4	3	0		390.8324000	390.8327204	-
0.0003204	-0.0002000	0.0000000							390.8327204	-0.0003204	0.5000	
140:	9	4	5	1	8	4	5	0		391.4850000	391.4852957	-
0.0002957	-0.0002000	0.0000000							391.4852957	-0.0002957	0.5000	

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141:	9	4	6	1	8	4	4	0		391.4850000	391.4852957	-
0.0002957	-0.0002000	0.0000000							391.4852957	-0.0002957	0.5000	
142:	10	4	6	1	9	4	6	0		392.1385000	392.1394874	-
0.0009874	-0.0002000	0.0000000							392.1394874	-0.0009874	0.5000	
143:	10	4	7	1	9	4	5	0		392.1385000	392.1394874	-
0.0009874	-0.0002000	0.0000000							392.1394874	-0.0009874	0.5000	
144:	11	4	7	1	10	4	7	0		392.7948000	392.7952944	-
0.0004944	-0.0002000	0.0000000							392.7952944	-0.0004944	0.5000	
145:	11	4	8	1	10	4	6	0		392.7948000	392.7952944	-
0.0004944	-0.0002000	0.0000000							392.7952944	-0.0004944	0.5000	
146:	12	4	8	1	11	4	8	0		393.4522000	393.4527158	-
0.0005158	-0.0002000	0.0000000							393.4527158	-0.0005158	0.5000	
147:	12	4	9	1	11	4	7	0		393.4522000	393.4527158	-
0.0005158	-0.0002000	0.0000000							393.4527158	-0.0005158	0.5000	
148:	13	4	9	1	12	4	9	0		394.1115000	394.1117508	-
0.0002508	-0.0002000	0.0000000							394.1117507	-0.0002507	0.5000	
149:	13	4	10	1	12	4	8	0		394.1115000	394.1117507	-
0.0002507	-0.0002000	0.0000000							394.1117507	-0.0002507	0.5000	
150:	14	4	10	1	13	4	10	0		394.7721000	394.7723986	-
0.0002986	-0.0002000	0.0000000							394.7723985	-0.0002985	0.5000	
151:	14	4	11	1	13	4	9	0		394.7721000	394.7723984	-
0.0002984	-0.0002000	0.0000000							394.7723985	-0.0002985	0.5000	
152:	15	4	11	1	14	4	11	0		395.4341000	395.4346587	-
0.0005587	-0.0002000	0.0000000							395.4346585	-0.0005585	0.5000	
153:	15	4	12	1	14	4	10	0		395.4341000	395.4346584	-
0.0005584	-0.0002000	0.0000000							395.4346585	-0.0005585	0.5000	
154:	16	4	12	1	15	4	12	0		396.0981000	396.0985304	-
0.0004304	-0.0002000	0.0000000							396.0985302	-0.0004302	0.5000	
155:	16	4	13	1	15	4	11	0		396.0981000	396.0985300	-
0.0004300	-0.0002000	0.0000000							396.0985302	-0.0004302	0.5000	
156:	17	4	13	1	16	4	13	0		396.7634000	396.7640135	-
0.0006135	-0.0002000	0.0000000							396.7640132	-0.0006132	0.5000	
157:	17	4	14	1	16	4	12	0		396.7634000	396.7640128	-
0.0006128	-0.0002000	0.0000000							396.7640132	-0.0006132	0.5000	
158:	18	4	14	1	17	4	14	0		397.4306000	397.4311076	-
0.0005076	-0.0002000	0.0000000							397.4311070	-0.0005070	0.5000	
159:	18	4	15	1	17	4	13	0		397.4306000	397.4311065	-
0.0005065	-0.0002000	0.0000000							397.4311070	-0.0005070	0.5000	
160:	19	4	15	1	18	4	15	0		398.0994000	398.0998125	-
0.0004125	-0.0002000	0.0000000							398.0998116	-0.0004116	0.5000	
161:	19	4	16	1	18	4	14	0		398.0994000	398.0998107	-
0.0004107	-0.0002000	0.0000000							398.0998116	-0.0004116	0.5000	
162:	20	4	16	1	19	4	16	0		398.7698000	398.7701280	-
0.0003280	-0.0002000	0.0000000							398.7701267	-0.0003267	0.5000	
163:	20	4	17	1	19	4	15	0		398.7698000	398.7701254	-
0.0003254	-0.0002000	0.0000000							398.7701267	-0.0003267	0.5000	
164:	21	4	17	1	20	4	17	0		399.4418000	399.4420543	-
0.0002543	-0.0002000	0.0000000							399.4420524	-0.0002524	0.5000	
165:	21	4	18	1	20	4	16	0		399.4418000	399.4420504	-
0.0002504	-0.0002000	0.0000000							399.4420524	-0.0002524	0.5000	
166:	22	4	18	1	21	4	18	0		400.1152000	400.1155914	-
0.0003914	-0.0002000	0.0000000							400.1155886	-0.0003886	0.5000	
167:	22	4	19	1	21	4	17	0		400.1152000	400.1155858	-
0.0003858	-0.0002000	0.0000000							400.1155886	-0.0003886	0.5000	
168:	23	4	19	1	22	4	19	0		400.7903000	400.7907396	-
0.0004396	-0.0002000	0.0000000							400.7907356	-0.0004356	0.5000	
169:	23	4	20	1	22	4	18	0		400.7903000	400.7907316	-
0.0004316	-0.0002000	0.0000000							400.7907356	-0.0004356	0.5000	
170:	24	4	20	1	23	4	20	0		401.4671000	401.4674993	-
0.0003993	-0.0002000	0.0000000							401.4674936	-0.0003936	0.5000	

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171:	24	4	21	1	23	4	19	0		401.4671000	401.4674880	-
0.0003880	-0.0002000	0.0000000							401.4674936	-0.0003936	0.5000	
172:	25	4	21	1	24	4	21	0		402.1455000	402.1458708	-
0.0003708	-0.0002000	0.0000000							402.1458630	-0.0003630	0.5000	
173:	25	4	22	1	24	4	20	0		402.1455000	402.1458552	-
0.0003552	-0.0002000	0.0000000							402.1458630	-0.0003630	0.5000	
174:	26	4	22	1	25	4	22	0		402.8255000	402.8258549	-
0.0003549	-0.0002000	0.0000000							402.8258442	-0.0003442	0.5000	
175:	26	4	23	1	25	4	21	0		402.8255000	402.8258336	-
0.0003336	-0.0002000	0.0000000							402.8258442	-0.0003442	0.5000	
176:	27	4	23	1	26	4	23	0		403.5072000	403.5074522	-
0.0002522	-0.0002000	0.0000000							403.5074378	-0.0002378	0.5000	
177:	27	4	24	1	26	4	22	0		403.5072000	403.5074234	-
0.0002234	-0.0002000	0.0000000							403.5074378	-0.0002378	0.5000	
178:	28	4	24	1	27	4	24	0		404.1904000	404.1906636	-
0.0002636	-0.0002000	0.0000000							404.1906444	-0.0002444	0.5000	
179:	28	4	25	1	27	4	23	0		404.1904000	404.1906251	-
0.0002251	-0.0002000	0.0000000							404.1906444	-0.0002444	0.5000	
180:	29	4	25	1	28	4	25	0		404.8753000	404.8754901	-
0.0001901	-0.0002000	0.0000000							404.8754647	-0.0001647	0.5000	
181:	29	4	26	1	28	4	24	0		404.8753000	404.8754392	-
0.0001392	-0.0002000	0.0000000							404.8754647	-0.0001647	0.5000	
182:	30	4	26	1	29	4	26	0		405.5617000	405.5619329	-
0.0002329	-0.0002000	0.0000000							405.5618995	-0.0001995	0.5000	
183:	30	4	27	1	29	4	25	0		405.5617000	405.5618662	-
0.0001662	-0.0002000	0.0000000							405.5618995	-0.0001995	0.5000	
184:	31	4	27	1	30	4	27	0		406.2497000	406.2499932	-
0.0002932	-0.0002000	0.0000000							406.2499499	-0.0002499	0.5000	
185:	31	4	28	1	30	4	26	0		406.2497000	406.2499066	-
0.0002066	-0.0002000	0.0000000							406.2499499	-0.0002499	0.5000	
186:	32	4	28	1	31	4	28	0		406.9396000	406.9396726	-
0.0000726	-0.0002000	0.0000000							406.9396168	-0.0000168	0.5000	
187:	32	4	29	1	31	4	27	0		406.9396000	406.9395611	
0.0000389	-0.0002000	0.0000000							406.9396168	-0.0000168	0.5000	
188:	33	4	29	1	32	4	29	0		407.6307000	407.6309726	-
0.0002726	-0.0002000	0.0000000							407.6309013	-0.0002013	0.5000	
189:	33	4	30	1	32	4	28	0		407.6307000	407.6308301	-
0.0001301	-0.0002000	0.0000000							407.6309013	-0.0002013	0.5000	
190:	34	4	30	1	33	4	30	0		408.3238000	408.3238951	-
0.0000951	-0.0002000	0.0000000							408.3238047	-0.0000047	0.5000	
191:	34	4	31	1	33	4	29	0		408.3238000	408.3237144	
0.0000856	-0.0002000	0.0000000							408.3238047	-0.0000047	0.5000	
192:	36	4	32	1	35	4	32	0		409.7145000	409.7146157	-
0.0001157	-0.0002000	0.0000000							409.7144733	0.0000267	0.5000	
193:	36	4	33	1	35	4	31	0		409.7145000	409.7143309	
0.0001691	-0.0002000	0.0000000							409.7144733	0.0000267	0.5000	
194:	37	4	33	1	36	4	33	0		410.4123000	410.4124185	-
0.0001185	-0.0002000	0.0000000							410.4122414	0.0000586	0.5000	
195:	37	4	34	1	36	4	32	0		410.4123000	410.4120642	
0.0002358	-0.0002000	0.0000000							410.4122414	0.0000586	0.5000	
196:	38	4	34	1	37	4	34	0		411.1118000	411.1118531	-
0.0000531	-0.0002000	0.0000000							411.1116340	0.0001660	0.5000	
197:	38	4	35	1	37	4	33	0		411.1118000	411.1114150	
0.0003850	-0.0002000	0.0000000							411.1116340	0.0001660	0.5000	
198:	39	4	35	1	38	4	35	0		411.8130000	411.8129224	
0.0000776	-0.0002000	0.0000000							411.8126530	0.0003470	0.5000	
199:	39	4	36	1	38	4	34	0		411.8130000	411.8123836	
0.0006164	-0.0002000	0.0000000							411.8126530	0.0003470	0.5000	
200:	40	4	36	1	39	4	36	0		412.5156000	412.5156296	-
0.0000296	-0.0002000	0.0000000							412.5153000	0.0003000	0.5000	

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201: 40 4 37 1 39 4 35 0		412.5156000	412.5149705
0.0006295 -0.0002000 0.0000000	412.5153000	0.0003000	0.5000
202: 41 4 37 1 40 4 37 0		413.2196000	413.2199781 -
0.0003781 -0.0002000 0.0000000	413.2195770	0.0000230	0.5000
203: 41 4 38 1 40 4 36 0		413.2196000	413.2191758
0.0004242 -0.0002000 0.0000000	413.2195770	0.0000230	0.5000
204: 42 4 38 1 41 4 38 0		413.9259000	413.9259717 -
0.0000717 -0.0002000 0.0000000	413.9254858	0.0004142	0.5000
205: 42 4 39 1 41 4 37 0		413.9259000	413.9249998
0.0009002 -0.0002000 0.0000000	413.9254858	0.0004142	0.5000
206: 6 4 2 1 7 4 4 0		381.2389000	381.2390654 -
0.0001654 -0.0002000 0.0000000	381.2390654	-0.0001654	0.5000
207: 6 4 3 1 7 4 3 0		381.2389000	381.2390654 -
0.0001654 -0.0002000 0.0000000	381.2390654	-0.0001654	0.5000
208: 7 4 3 1 8 4 5 0		380.6118000	380.6125750 -
0.0007750 -0.0002000 0.0000000	380.6125750	-0.0007750	0.5000
209: 7 4 4 1 8 4 4 0		380.6118000	380.6125750 -
0.0007750 -0.0002000 0.0000000	380.6125750	-0.0007750	0.5000
210: 8 4 4 1 9 4 6 0		379.9869000	379.9877341 -
0.0008341 -0.0002000 0.0000000	379.9877341	-0.0008341	0.5000
211: 8 4 5 1 9 4 5 0		379.9869000	379.9877341 -
0.0008341 -0.0002000 0.0000000	379.9877341	-0.0008341	0.5000
212: 9 4 5 1 10 4 7 0		379.3638000	379.3645456 -
0.0007456 -0.0002000 0.0000000	379.3645456	-0.0007456	0.5000
213: 9 4 6 1 10 4 6 0		379.3638000	379.3645456 -
0.0007456 -0.0002000 0.0000000	379.3645456	-0.0007456	0.5000
214: 10 4 6 1 11 4 8 0		378.7423000	378.7430125 -
0.0007125 -0.0002000 0.0000000	378.7430125	-0.0007125	0.5000
215: 10 4 7 1 11 4 7 0		378.7423000	378.7430125 -
0.0007125 -0.0002000 0.0000000	378.7430125	-0.0007125	0.5000
216: 11 4 7 1 12 4 9 0		378.1225000	378.1231377 -
0.0006377 -0.0002000 0.0000000			
217: 13 4 9 1 14 4 11 0		376.8878000	376.8883762 -
0.0005762 -0.0002000 0.0000000	376.8883762	-0.0005762	0.5000
218: 13 4 10 1 14 4 10 0		376.8878000	376.8883761 -
0.0005761 -0.0002000 0.0000000	376.8883762	-0.0005762	0.5000
219: 14 4 10 1 15 4 12 0		376.2731000	376.2734962 -
0.0003962 -0.0002000 0.0000000	376.2734961	-0.0003961	0.5000
220: 14 4 11 1 15 4 11 0		376.2731000	376.2734960 -
0.0003960 -0.0002000 0.0000000	376.2734961	-0.0003961	0.5000
221: 15 4 11 1 16 4 13 0		375.6596000	375.6602878 -
0.0006878 -0.0002000 0.0000000	375.6602877	-0.0006877	0.5000
222: 15 4 12 1 16 4 12 0		375.6596000	375.6602875 -
0.0006875 -0.0002000 0.0000000	375.6602877	-0.0006877	0.5000
223: 16 4 12 1 17 4 14 0		375.0480000	375.0487548 -
0.0007548 -0.0002000 0.0000000	375.0487546	-0.0007546	0.5000
224: 16 4 13 1 17 4 13 0		375.0480000	375.0487543 -
0.0007543 -0.0002000 0.0000000	375.0487546	-0.0007546	0.5000
225: 17 4 13 1 18 4 15 0		374.4383000	374.4389009 -
0.0006009 -0.0002000 0.0000000	374.4389004	-0.0006004	0.5000
226: 17 4 14 1 18 4 14 0		374.4383000	374.4389000 -
0.0006000 -0.0002000 0.0000000	374.4389004	-0.0006004	0.5000
227: 18 4 14 1 19 4 16 0		373.8301000	373.8307297 -
0.0006297 -0.0002000 0.0000000	373.8307290	-0.0006290	0.5000
228: 18 4 15 1 19 4 15 0		373.8301000	373.8307283 -
0.0006283 -0.0002000 0.0000000	373.8307290	-0.0006290	0.5000
229: 19 4 15 1 20 4 17 0		373.2238000	373.2242453 -
0.0004453 -0.0002000 0.0000000	373.2242442	-0.0004442	0.5000
230: 19 4 16 1 20 4 16 0		373.2238000	373.2242432 -
0.0004432 -0.0002000 0.0000000	373.2242442	-0.0004442	0.5000

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231:	20	4	16	1	21	4	18	0		372.6190000	372.6194516	-
0.0004516	-0.0002000	0.0000000							372.6194500	-0.0004500	0.5000	
232:	20	4	17	1	21	4	17	0		372.6190000	372.6194485	-
0.0004485	-0.0002000	0.0000000							372.6194500	-0.0004500	0.5000	
233:	21	4	17	1	22	4	19	0		372.0160000	372.0163528	-
0.0003528	-0.0002000	0.0000000							372.0163505	-0.0003505	0.5000	
234:	21	4	18	1	22	4	18	0		372.0160000	372.0163482	-
0.0003482	-0.0002000	0.0000000							372.0163505	-0.0003505	0.5000	
235:	22	4	18	1	23	4	20	0		371.4143000	371.4149532	-
0.0006532	-0.0002000	0.0000000							371.4149498	-0.0006498	0.5000	
236:	22	4	19	1	23	4	19	0		371.4143000	371.4149465	-
0.0006465	-0.0002000	0.0000000							371.4149498	-0.0006498	0.5000	
237:	23	4	19	1	24	4	21	0		370.8150000	370.8152570	-
0.0002570	-0.0002000	0.0000000										
238:	25	4	21	1	26	4	23	0		369.6207000	369.6209930	-
0.0002930	-0.0002000	0.0000000							369.6209840	-0.0002840	0.5000	
239:	25	4	22	1	26	4	22	0		369.6207000	369.6209750	-
0.0002750	-0.0002000	0.0000000							369.6209840	-0.0002840	0.5000	
240:	26	4	22	1	27	4	24	0		369.0262000	369.0264346	-
0.0002346	-0.0002000	0.0000000							369.0264223	-0.0002223	0.5000	
241:	26	4	23	1	27	4	23	0		369.0262000	369.0264100	-
0.0002100	-0.0002000	0.0000000							369.0264223	-0.0002223	0.5000	
242:	27	4	23	1	28	4	25	0		368.4333000	368.4335983	-
0.0002983	-0.0002000	0.0000000							368.4335818	-0.0002818	0.5000	
243:	27	4	24	1	28	4	24	0		368.4333000	368.4335653	-
0.0002653	-0.0002000	0.0000000							368.4335818	-0.0002818	0.5000	
244:	28	4	24	1	29	4	26	0		367.8423000	367.8424891	-
0.0001891	-0.0002000	0.0000000							367.8424672	-0.0001672	0.5000	
245:	28	4	25	1	29	4	25	0		367.8423000	367.8424453	-
0.0001453	-0.0002000	0.0000000							367.8424672	-0.0001672	0.5000	
246:	29	4	25	1	30	4	27	0		367.2531000	367.2531122	-
0.0000122	-0.0002000	0.0000000							367.2530834	0.0000166	0.5000	
247:	29	4	26	1	30	4	26	0		367.2531000	367.2530545	-
0.0000455	-0.0002000	0.0000000							367.2530834	0.0000166	0.5000	
248:	30	4	26	1	31	4	28	0		366.6652000	366.6654729	-
0.0002729	-0.0002000	0.0000000							366.6654352	-0.0002352	0.5000	
249:	30	4	27	1	31	4	27	0		366.6652000	366.6653975	-
0.0001975	-0.0002000	0.0000000							366.6654352	-0.0002352	0.5000	
250:	31	4	27	1	32	4	29	0		366.0794000	366.0795765	-
0.0001765	-0.0002000	0.0000000							366.0795278	-0.0001278	0.5000	
251:	31	4	28	1	32	4	28	0		366.0794000	366.0794791	-
0.0000791	-0.0002000	0.0000000							366.0795278	-0.0001278	0.5000	
252:	32	4	28	1	33	4	30	0		365.4953000	365.4954287	-
0.0001287	-0.0002000	0.0000000							365.4953662	-0.0000662	0.5000	
253:	32	4	29	1	33	4	29	0		365.4953000	365.4953037	-
0.0000037	-0.0002000	0.0000000							365.4953662	-0.0000662	0.5000	
254:	33	4	29	1	34	4	31	0		364.9127000	364.9130353	-
0.0003353	-0.0002000	0.0000000							364.9129558	-0.0002558	0.5000	
255:	33	4	30	1	34	4	30	0		364.9127000	364.9128762	-
0.0001762	-0.0002000	0.0000000							364.9129558	-0.0002558	0.5000	
256:	34	4	30	1	35	4	32	0		364.3320000	364.3324023	-
0.0004023	-0.0002000	0.0000000							364.3323017	-0.0003017	0.5000	
257:	34	4	31	1	35	4	31	0		364.3320000	364.3322011	-
0.0002011	-0.0002000	0.0000000							364.3323017	-0.0003017	0.5000	
258:	35	4	31	1	36	4	33	0		363.7534000	363.7535358	-
0.0001358	-0.0002000	0.0000000							363.7534095	-0.0000095	0.5000	
259:	35	4	32	1	36	4	32	0		363.7534000	363.7532831	-
0.0001169	-0.0002000	0.0000000							363.7534095	-0.0000095	0.5000	
260:	36	4	32	1	37	4	34	0		363.1760000	363.1764422	-
0.0004422	-0.0002000	0.0000000							363.1762846	-0.0002846	0.5000	



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261:	36	4	33	1	37	4	33	0		363.1760000	363.1761269	-
0.0001269	-0.0002000	0.0000000							363.1762846	-0.0002846	0.5000	
262:	37	4	33	1	38	4	35	0		362.6013000	362.6011282	
0.0001718	-0.0002000	0.0000000							362.6009326	0.0003674	0.5000	
263:	37	4	34	1	38	4	34	0		362.6013000	362.6007371	
0.0005629	-0.0002000	0.0000000							362.6009326	0.0003674	0.5000	
264:	38	4	34	1	39	4	36	0		362.0277000	362.0276005	
0.0000995	-0.0002000	0.0000000							362.0273593	0.0003407	0.5000	
265:	38	4	35	1	39	4	35	0		362.0277000	362.0271182	
0.0005818	-0.0002000	0.0000000							362.0273593	0.0003407	0.5000	
266:	39	4	35	1	40	4	37	0		361.4555000	361.4558663	-
0.0003663	-0.0002000	0.0000000							361.4555704	-0.0000704	0.5000	
267:	39	4	36	1	40	4	36	0		361.4555000	361.4552746	
0.0002254	-0.0002000	0.0000000							361.4555704	-0.0000704	0.5000	
268:	40	4	36	1	41	4	38	0		360.8859000	360.8859329	-
0.0000329	-0.0002000	0.0000000							360.8855718	0.0003282	0.5000	
269:	40	4	37	1	41	4	37	0		360.8859000	360.8852108	
0.0006892	-0.0002000	0.0000000							360.8855718	0.0003282	0.5000	
270:	41	4	37	1	42	4	39	0		360.3177000	360.3178080	-
0.0001080	-0.0002000	0.0000000							360.3173695	0.0003305	0.5000	
271:	41	4	38	1	42	4	38	0		360.3177000	360.3169310	
0.0007690	-0.0002000	0.0000000							360.3173695	0.0003305	0.5000	
272:	42	4	38	1	43	4	40	0		359.7514000	359.7514996	-
0.0000996	-0.0002000	0.0000000										
273:	9	5	4	1	8	5	4	0		382.0185000	382.0179321	
0.0005679	-0.0002000	0.0000000							382.0179321	0.0005679	0.5000	
274:	9	5	5	1	8	5	3	0		382.0185000	382.0179321	
0.0005679	-0.0002000	0.0000000							382.0179321	0.0005679	0.5000	
275:	10	5	5	1	9	5	5	0		382.6728000	382.6724229	
0.0003771	-0.0002000	0.0000000							382.6724229	0.0003771	0.5000	
276:	10	5	6	1	9	5	4	0		382.6728000	382.6724229	
0.0003771	-0.0002000	0.0000000							382.6724229	0.0003771	0.5000	
277:	11	5	6	1	10	5	6	0		383.3289000	383.3285700	
0.0003300	-0.0002000	0.0000000							383.3285700	0.0003300	0.5000	
278:	11	5	7	1	10	5	5	0		383.3289000	383.3285700	
0.0003300	-0.0002000	0.0000000							383.3285700	0.0003300	0.5000	
279:	12	5	7	1	11	5	7	0		383.9861000	383.9863713	-
0.0002713	-0.0002000	0.0000000							383.9863713	-0.0002713	0.5000	
280:	12	5	8	1	11	5	6	0		383.9861000	383.9863713	-
0.0002713	-0.0002000	0.0000000							383.9863713	-0.0002713	0.5000	
281:	13	5	8	1	12	5	8	0		384.6459000	384.6458251	
0.0000749	-0.0002000	0.0000000							384.6458251	0.0000749	0.5000	
282:	13	5	9	1	12	5	7	0		384.6459000	384.6458251	
0.0000749	-0.0002000	0.0000000							384.6458251	0.0000749	0.5000	
283:	14	5	9	1	13	5	9	0		385.3070000	385.3069293	
0.0000707	-0.0002000	0.0000000							385.3069293	0.0000707	0.5000	
284:	14	5	10	1	13	5	8	0		385.3070000	385.3069293	
0.0000707	-0.0002000	0.0000000							385.3069293	0.0000707	0.5000	
285:	15	5	10	1	14	5	10	0		385.9697000	385.9696822	
0.0000178	-0.0002000	0.0000000							385.9696822	0.0000178	0.5000	
286:	15	5	11	1	14	5	9	0		385.9697000	385.9696822	
0.0000178	-0.0002000	0.0000000							385.9696822	0.0000178	0.5000	
287:	16	5	11	1	15	5	11	0		386.6343000	386.6340820	
0.0002180	-0.0002000	0.0000000							386.6340820	0.0002180	0.5000	
288:	16	5	12	1	15	5	10	0		386.6343000	386.6340820	
0.0002180	-0.0002000	0.0000000							386.6340820	0.0002180	0.5000	
289:	17	5	12	1	16	5	12	0		387.3000000	387.3001269	-
0.0001269	-0.0002000	0.0000000							387.3001269	-0.0001269	0.5000	
290:	17	5	13	1	16	5	11	0		387.3000000	387.3001269	-
0.0001269	-0.0002000	0.0000000							387.3001269	-0.0001269	0.5000	

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291: 18 5 13 1 17 5 13 0		387.9679000	387.9678150
0.0000850 -0.0002000 0.0000000	387.9678150	0.0000850	0.5000
292: 18 5 14 1 17 5 12 0		387.9679000	387.9678150
0.0000850 -0.0002000 0.0000000	387.9678150	0.0000850	0.5000
293: 19 5 14 1 18 5 14 0		388.6374000	388.6371447
0.0002553 -0.0002000 0.0000000	388.6371447	0.0002553	0.5000
294: 19 5 15 1 18 5 13 0		388.6374000	388.6371447
0.0002553 -0.0002000 0.0000000	388.6371447	0.0002553	0.5000
295: 20 5 15 1 19 5 15 0		389.3085000	389.3081141
0.0003859 -0.0002000 0.0000000	389.3081141	0.0003859	0.5000
296: 20 5 16 1 19 5 14 0		389.3085000	389.3081141
0.0003859 -0.0002000 0.0000000	389.3081141	0.0003859	0.5000
297: 21 5 16 1 20 5 16 0		389.9808000	389.9807217
0.0000783 -0.0002000 0.0000000	389.9807217	0.0000783	0.5000
298: 21 5 17 1 20 5 15 0		389.9808000	389.9807217
0.0000783 -0.0002000 0.0000000	389.9807217	0.0000783	0.5000
299: 22 5 17 1 21 5 17 0		390.6551000	390.6549656
0.0001344 -0.0002000 0.0000000	390.6549656	0.0001344	0.5000
300: 22 5 18 1 21 5 16 0		390.6551000	390.6549656
0.0001344 -0.0002000 0.0000000	390.6549656	0.0001344	0.5000
301: 23 5 18 1 22 5 18 0		391.3308000	391.3308443 -
0.0000443 -0.0002000 0.0000000	391.3308443	-0.0000443	0.5000
302: 23 5 19 1 22 5 17 0		391.3308000	391.3308443 -
0.0000443 -0.0002000 0.0000000	391.3308443	-0.0000443	0.5000
303: 24 5 19 1 23 5 19 0		392.0084000	392.0083561
0.0000439 -0.0002000 0.0000000	392.0083561	0.0000439	0.5000
304: 24 5 20 1 23 5 18 0		392.0084000	392.0083561
0.0000439 -0.0002000 0.0000000	392.0083561	0.0000439	0.5000
305: 25 5 20 1 24 5 20 0		392.6875000	392.6874994
0.0000006 -0.0002000 0.0000000	392.6874994	0.0000006	0.5000
306: 25 5 21 1 24 5 19 0		392.6875000	392.6874994
0.0000006 -0.0002000 0.0000000	392.6874994	0.0000006	0.5000
307: 26 5 21 1 25 5 21 0		393.3681000	393.3682726 -
0.0001726 -0.0002000 0.0000000	393.3682726	-0.0001726	0.5000
308: 26 5 22 1 25 5 20 0		393.3681000	393.3682726 -
0.0001726 -0.0002000 0.0000000	393.3682726	-0.0001726	0.5000
309: 27 5 22 1 26 5 22 0		394.0507000	394.0506741
0.0000259 -0.0002000 0.0000000	394.0506741	0.0000259	0.5000
310: 27 5 23 1 26 5 21 0		394.0507000	394.0506741
0.0000259 -0.0002000 0.0000000	394.0506741	0.0000259	0.5000
311: 28 5 23 1 27 5 23 0		394.7345000	394.7347024 -
0.0002024 -0.0002000 0.0000000	394.7347024	-0.0002024	0.5000
312: 28 5 24 1 27 5 22 0		394.7345000	394.7347024 -
0.0002024 -0.0002000 0.0000000	394.7347024	-0.0002024	0.5000
313: 29 5 24 1 28 5 24 0		395.4204000	395.4203560
0.0000440 -0.0002000 0.0000000	395.4203559	0.0000441	0.5000
314: 29 5 25 1 28 5 23 0		395.4204000	395.4203559
0.0000441 -0.0002000 0.0000000	395.4203559	0.0000441	0.5000
315: 30 5 25 1 29 5 25 0		396.1073000	396.1076333 -
0.0003333 -0.0002000 0.0000000	396.1076332	-0.0003332	0.5000
316: 30 5 26 1 29 5 24 0		396.1073000	396.1076331 -
0.0003331 -0.0002000 0.0000000	396.1076332	-0.0003332	0.5000
317: 31 5 26 1 30 5 26 0		396.7963000	396.7965328 -
0.0002328 -0.0002000 0.0000000	396.7965327	-0.0002327	0.5000
318: 31 5 27 1 30 5 25 0		396.7963000	396.7965326 -
0.0002326 -0.0002000 0.0000000	396.7965327	-0.0002327	0.5000
319: 32 5 27 1 31 5 27 0		397.4870000	397.4870532 -
0.0000532 -0.0002000 0.0000000	397.4870531	-0.0000531	0.5000
320: 32 5 28 1 31 5 26 0		397.4870000	397.4870529 -
0.0000529 -0.0002000 0.0000000	397.4870531	-0.0000531	0.5000

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321: 33 5 28 1 32 5 28 0	398.1787000	398.1791930	-
0.0004930 -0.0002000 0.0000000	398.1791928	-0.0004928	0.5000
322: 33 5 29 1 32 5 27 0	398.1787000	398.1791926	-
0.0004926 -0.0002000 0.0000000	398.1791928	-0.0004928	0.5000
323: 34 5 29 1 33 5 29 0	398.8729000	398.8729507	-
0.0000507 -0.0002000 0.0000000	398.8729505	-0.0000505	0.5000
324: 34 5 30 1 33 5 28 0	398.8729000	398.8729502	-
0.0000502 -0.0002000 0.0000000	398.8729505	-0.0000505	0.5000
325: 35 5 30 1 34 5 30 0	399.5684000	399.5683250	-
0.0000750 -0.0002000 0.0000000	399.5683247	0.0000753	0.5000
326: 35 5 31 1 34 5 29 0	399.5684000	399.5683244	-
0.0000756 -0.0002000 0.0000000	399.5683247	0.0000753	0.5000
327: 36 5 31 1 35 5 31 0	400.2653000	400.2653146	-
0.0000146 -0.0002000 0.0000000	400.2653142	-0.0000142	0.5000
328: 36 5 32 1 35 5 30 0	400.2653000	400.2653138	-
0.0000138 -0.0002000 0.0000000	400.2653142	-0.0000142	0.5000
329: 37 5 32 1 36 5 32 0	400.9637000	400.9639180	-
0.0002180 -0.0002000 0.0000000	400.9639175	-0.0002175	0.5000
330: 37 5 33 1 36 5 31 0	400.9637000	400.9639170	-
0.0002170 -0.0002000 0.0000000	400.9639175	-0.0002175	0.5000
331: 38 5 33 1 37 5 33 0	401.6640000	401.6641341	-
0.0001341 -0.0002000 0.0000000	401.6641334	-0.0001334	0.5000
332: 38 5 34 1 37 5 32 0	401.6640000	401.6641327	-
0.0001327 -0.0002000 0.0000000	401.6641334	-0.0001334	0.5000
333: 39 5 34 1 38 5 34 0	402.3654000	402.3659615	-
0.0005615 -0.0002000 0.0000000	402.3659606	-0.0005606	0.5000
334: 39 5 35 1 38 5 33 0	402.3654000	402.3659597	-
0.0005597 -0.0002000 0.0000000	402.3659606	-0.0005606	0.5000
335: 40 5 35 1 39 5 35 0	403.0694000	403.0693989	-
0.0000011 -0.0002000 0.0000000	403.0693977	0.0000023	0.5000
336: 40 5 36 1 39 5 34 0	403.0694000	403.0693966	-
0.0000034 -0.0002000 0.0000000	403.0693977	0.0000023	0.5000
337: 41 5 36 1 40 5 36 0	403.7742000	403.7744451	-
0.0002451 -0.0002000 0.0000000	403.7744437	-0.0002437	0.5000
338: 41 5 37 1 40 5 35 0	403.7742000	403.7744422	-
0.0002422 -0.0002000 0.0000000	403.7744437	-0.0002437	0.5000
339: 42 5 37 1 41 5 37 0	404.4809000	404.4810990	-
0.0001990 -0.0002000 0.0000000	404.4810971	-0.0001971	0.5000
340: 42 5 38 1 41 5 36 0	404.4809000	404.4810952	-
0.0001952 -0.0002000 0.0000000	404.4810971	-0.0001971	0.5000
341: 43 5 38 1 42 5 38 0	405.1896000	405.1893594	-
0.0002406 -0.0002000 0.0000000	405.1893570	0.0002430	0.5000
342: 43 5 39 1 42 5 37 0	405.1896000	405.1893546	-
0.0002454 -0.0002000 0.0000000	405.1893570	0.0002430	0.5000
343: 44 5 39 1 43 5 39 0	405.8992000	405.8992250	-
0.0000250 -0.0002000 0.0000000	405.8992220	-0.0000220	0.5000
344: 44 5 40 1 43 5 38 0	405.8992000	405.8992189	-
0.0000189 -0.0002000 0.0000000	405.8992220	-0.0000220	0.5000
345: 45 5 40 1 44 5 40 0	406.6106000	406.6106949	-
0.0000949 -0.0002000 0.0000000	406.6106911	-0.0000911	0.5000
346: 45 5 41 1 44 5 39 0	406.6106000	406.6106872	-
0.0000872 -0.0002000 0.0000000	406.6106911	-0.0000911	0.5000
347: 46 5 41 1 45 5 41 0	407.3236000	407.3237679	-
0.0001679 -0.0002000 0.0000000	407.3237631	-0.0001631	0.5000
348: 46 5 42 1 45 5 40 0	407.3236000	407.3237583	-
0.0001583 -0.0002000 0.0000000	407.3237631	-0.0001631	0.5000
349: 9 5 4 1 10 5 6 0	369.9007000	369.8999937	-
0.0007063 -0.0002000 0.0000000	369.8999937	0.0007063	0.5000
350: 9 5 5 1 10 5 5 0	369.9007000	369.8999937	-
0.0007063 -0.0002000 0.0000000	369.8999937	0.0007063	0.5000

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351: 10 5 5 1 11 5 7 0		369.2792000	369.2790637
0.0001363 -0.0002000 0.0000000	369.2790637	0.0001363	0.5000
352: 10 5 6 1 11 5 6 0		369.2792000	369.2790637
0.0001363 -0.0002000 0.0000000	369.2790637	0.0001363	0.5000
353: 11 5 6 1 12 5 8 0		368.6603000	368.6598355
0.0004645 -0.0002000 0.0000000	368.6598355	0.0004645	0.5000
354: 11 5 7 1 12 5 7 0		368.6603000	368.6598355
0.0004645 -0.0002000 0.0000000	368.6598355	0.0004645	0.5000
355: 12 5 7 1 13 5 9 0		368.0425000	368.0423113
0.0001887 -0.0002000 0.0000000	368.0423113	0.0001887	0.5000
356: 12 5 8 1 13 5 8 0		368.0425000	368.0423113
0.0001887 -0.0002000 0.0000000	368.0423113	0.0001887	0.5000
357: 13 5 8 1 14 5 10 0		367.4267000	367.4264937
0.0002063 -0.0002000 0.0000000	367.4264937	0.0002063	0.5000
358: 13 5 9 1 14 5 9 0		367.4267000	367.4264937
0.0002063 -0.0002000 0.0000000	367.4264937	0.0002063	0.5000
359: 14 5 9 1 15 5 11 0		366.8125000	366.8123851
0.0001149 -0.0002000 0.0000000	366.8123851	0.0001149	0.5000
360: 14 5 10 1 15 5 10 0		366.8125000	366.8123851
0.0001149 -0.0002000 0.0000000	366.8123851	0.0001149	0.5000
361: 15 5 10 1 16 5 12 0		366.2001000	366.1999880
0.0001120 -0.0002000 0.0000000	366.1999880	0.0001120	0.5000
362: 15 5 11 1 16 5 11 0		366.2001000	366.1999880
0.0001120 -0.0002000 0.0000000	366.1999880	0.0001120	0.5000
363: 16 5 11 1 17 5 13 0		365.5894000	365.5893049
0.0000951 -0.0002000 0.0000000	365.5893049	0.0000951	0.5000
364: 16 5 12 1 17 5 12 0		365.5894000	365.5893049
0.0000951 -0.0002000 0.0000000	365.5893049	0.0000951	0.5000
365: 17 5 12 1 18 5 14 0		364.9806000	364.9803383
0.0002617 -0.0002000 0.0000000	364.9803383	0.0002617	0.5000
366: 17 5 13 1 18 5 13 0		364.9806000	364.9803383
0.0002617 -0.0002000 0.0000000	364.9803383	0.0002617	0.5000
367: 18 5 13 1 19 5 15 0		364.3733000	364.3730909
0.0002091 -0.0002000 0.0000000	364.3730909	0.0002091	0.5000
368: 18 5 14 1 19 5 14 0		364.3733000	364.3730909
0.0002091 -0.0002000 0.0000000	364.3730909	0.0002091	0.5000
369: 19 5 14 1 20 5 16 0		363.7676000	363.7675652
0.0000348 -0.0002000 0.0000000	363.7675652	0.0000348	0.5000
370: 19 5 15 1 20 5 15 0		363.7676000	363.7675651
0.0000349 -0.0002000 0.0000000	363.7675652	0.0000348	0.5000
371: 20 5 15 1 21 5 17 0		363.1638000	363.1637637
0.0000363 -0.0002000 0.0000000	363.1637637	0.0000363	0.5000
372: 20 5 16 1 21 5 16 0		363.1638000	363.1637637
0.0000363 -0.0002000 0.0000000	363.1637637	0.0000363	0.5000
373: 21 5 16 1 22 5 18 0		362.5617000	362.5616892
0.0000108 -0.0002000 0.0000000	362.5616892	0.0000108	0.5000
374: 21 5 17 1 22 5 17 0		362.5617000	362.5616892
0.0000108 -0.0002000 0.0000000	362.5616892	0.0000108	0.5000
375: 22 5 17 1 23 5 19 0		361.9612000	361.9613443 -
0.0001443 -0.0002000 0.0000000	361.9613443	-0.0001443	0.5000
376: 22 5 18 1 23 5 18 0		361.9612000	361.9613443 -
0.0001443 -0.0002000 0.0000000	361.9613443	-0.0001443	0.5000
377: 23 5 18 1 24 5 20 0		361.3626000	361.3627316 -
0.0001316 -0.0002000 0.0000000	361.3627316	-0.0001316	0.5000
378: 23 5 19 1 24 5 19 0		361.3626000	361.3627316 -
0.0001316 -0.0002000 0.0000000	361.3627316	-0.0001316	0.5000
379: 24 5 19 1 25 5 21 0		360.7658000	360.7658539 -
0.0000539 -0.0002000 0.0000000	360.7658539	-0.0000539	0.5000
380: 24 5 20 1 25 5 20 0		360.7658000	360.7658538 -
0.0000538 -0.0002000 0.0000000	360.7658539	-0.0000539	0.5000

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381:	25	5	20	1	26	5	22	0		360.1706000	360.1707138	-
0.0001138	-0.0002000	0.0000000							360.1707138	-0.0001138	0.5000	
382:	25	5	21	1	26	5	21	0		360.1706000	360.1707138	-
0.0001138	-0.0002000	0.0000000							360.1707138	-0.0001138	0.5000	
383:	26	5	21	1	27	5	23	0		359.5772000	359.5773142	-
0.0001142	-0.0002000	0.0000000							359.5773141	-0.0001141	0.5000	
384:	26	5	22	1	27	5	22	0		359.5772000	359.5773141	-
0.0001141	-0.0002000	0.0000000							359.5773141	-0.0001141	0.5000	
385:	27	5	22	1	28	5	24	0		358.9855000	358.9856577	-
0.0001577	-0.0002000	0.0000000							358.9856577	-0.0001577	0.5000	
386:	27	5	23	1	28	5	23	0		358.9855000	358.9856576	-
0.0001576	-0.0002000	0.0000000							358.9856577	-0.0001577	0.5000	
387:	28	5	23	1	29	5	25	0		358.3961000	358.3957472	
0.0003528	-0.0002000	0.0000000							358.3957472	0.0003528	0.5000	
388:	28	5	24	1	29	5	24	0		358.3961000	358.3957471	
0.0003529	-0.0002000	0.0000000							358.3957472	0.0003528	0.5000	
389:	29	5	24	1	30	5	26	0		357.8073000	357.8075855	-
0.0002855	-0.0002000	0.0000000							357.8075854	-0.0002854	0.5000	
390:	29	5	25	1	30	5	25	0		357.8073000	357.8075854	-
0.0002854	-0.0002000	0.0000000							357.8075854	-0.0002854	0.5000	
391:	30	5	25	1	31	5	27	0		357.2219000	357.2211754	
0.0007246	-0.0002000	0.0000000							357.2211753	0.0007247	0.5000	
392:	30	5	26	1	31	5	26	0		357.2219000	357.2211753	
0.0007247	-0.0002000	0.0000000							357.2211753	0.0007247	0.5000	
393:	31	5	26	1	32	5	28	0		356.6362000	356.6365198	-
0.0003198	-0.0002000	0.0000000							356.6365197	-0.0003197	0.5000	
394:	31	5	27	1	32	5	27	0		356.6362000	356.6365196	-
0.0003196	-0.0002000	0.0000000							356.6365197	-0.0003197	0.5000	
395:	32	5	27	1	33	5	29	0		356.0532000	356.0536216	-
0.0004216	-0.0002000	0.0000000							356.0536215	-0.0004215	0.5000	
396:	32	5	28	1	33	5	28	0		356.0532000	356.0536213	-
0.0004213	-0.0002000	0.0000000							356.0536215	-0.0004215	0.5000	
397:	33	5	28	1	34	5	30	0		355.4724000	355.4724837	-
0.0000837	-0.0002000	0.0000000							355.4724835	-0.0000835	0.5000	
398:	33	5	29	1	34	5	29	0		355.4724000	355.4724832	-
0.0000832	-0.0002000	0.0000000							355.4724835	-0.0000835	0.5000	
399:	34	5	29	1	35	5	31	0		354.8928000	354.8931090	-
0.0003090	-0.0002000	0.0000000							354.8931087	-0.0003087	0.5000	
400:	34	5	30	1	35	5	30	0		354.8928000	354.8931084	-
0.0003084	-0.0002000	0.0000000							354.8931087	-0.0003087	0.5000	
401:	35	5	30	1	36	5	32	0		354.3155000	354.3155004	-
0.0000004	-0.0002000	0.0000000							354.3155000	-0.0000000	0.5000	
402:	35	5	31	1	36	5	31	0		354.3155000	354.3154996	
0.0000004	-0.0002000	0.0000000							354.3155000	-0.0000000	0.5000	
403:	36	5	31	1	37	5	33	0		353.7392000	353.7396610	-
0.0004610	-0.0002000	0.0000000							353.7396605	-0.0004605	0.5000	
404:	36	5	32	1	37	5	32	0		353.7392000	353.7396600	-
0.0004600	-0.0002000	0.0000000							353.7396605	-0.0004605	0.5000	
405:	37	5	32	1	38	5	34	0		353.1655000	353.1655938	-
0.0000938	-0.0002000	0.0000000							353.1655932	-0.0000932	0.5000	
406:	37	5	33	1	38	5	33	0		353.1655000	353.1655925	-
0.0000925	-0.0002000	0.0000000							353.1655932	-0.0000932	0.5000	
407:	38	5	33	1	39	5	35	0		352.5929000	352.5933018	-
0.0004018	-0.0002000	0.0000000										
408:	40	5	35	1	41	5	37	0		351.4539000	351.4540557	-
0.0001557	-0.0002000	0.0000000							351.4540543	-0.0001543	0.5000	
409:	40	5	36	1	41	5	36	0		351.4539000	351.4540529	-
0.0001529	-0.0002000	0.0000000							351.4540543	-0.0001543	0.5000	
410:	41	5	36	1	42	5	38	0		350.8869000	350.8871078	-
0.0002078	-0.0002000	0.0000000							350.8871060	-0.0002060	0.5000	

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411:	41	5	37	1	42	5	37	0		350.8869000	350.8871042	-
0.0002042	-0.0002000	0.0000000							350.8871060	-0.0002060	0.5000	
412:	42	5	37	1	43	5	39	0		350.3214000	350.3219476	-
0.0005476	-0.0002000	0.0000000										
413:	44	5	39	1	45	5	41	0		349.1972000	349.1970027	
0.0001973	-0.0002000	0.0000000							349.1969990	0.0002010	0.5000	
414:	44	5	40	1	45	5	40	0		349.1972000	349.1969954	
0.0002046	-0.0002000	0.0000000							349.1969990	0.0002010	0.5000	
415:	45	5	40	1	46	5	42	0		348.6371000	348.6372245	-
0.0001245	-0.0002000	0.0000000							348.6372199	-0.0001199	0.5000	
416:	45	5	41	1	46	5	41	0		348.6371000	348.6372154	-
0.0001154	-0.0002000	0.0000000							348.6372199	-0.0001199	0.5000	
417:	46	5	41	1	47	5	43	0		348.0791000	348.0792468	-
0.0001468	-0.0002000	0.0000000										
418:	8	6	2	1	7	6	2	0		371.4273000	371.4261790	
0.0011210	-0.0002000	0.0000000							371.4261790	0.0011210	0.5000	
419:	8	6	3	1	7	6	1	0		371.4273000	371.4261790	
0.0011210	-0.0002000	0.0000000							371.4261790	0.0011210	0.5000	
420:	9	6	3	1	8	6	3	0		372.0801000	372.0793488	
0.0007512	-0.0002000	0.0000000							372.0793488	0.0007512	0.5000	
421:	9	6	4	1	8	6	2	0		372.0801000	372.0793488	
0.0007512	-0.0002000	0.0000000							372.0793488	0.0007512	0.5000	
422:	10	6	4	1	9	6	4	0		372.7349000	372.7342331	
0.0006669	-0.0002000	0.0000000							372.7342331	0.0006669	0.5000	
423:	10	6	5	1	9	6	3	0		372.7349000	372.7342331	
0.0006669	-0.0002000	0.0000000							372.7342331	0.0006669	0.5000	
424:	11	6	5	1	10	6	5	0		373.3919000	373.3908296	
0.0010704	-0.0002000	0.0000000							373.3908296	0.0010704	0.5000	
425:	11	6	6	1	10	6	4	0		373.3919000	373.3908296	
0.0010704	-0.0002000	0.0000000							373.3908296	0.0010704	0.5000	
426:	12	6	6	1	11	6	6	0		374.0501000	374.0491358	
0.0009642	-0.0002000	0.0000000							374.0491358	0.0009642	0.5000	
427:	12	6	7	1	11	6	5	0		374.0501000	374.0491358	
0.0009642	-0.0002000	0.0000000							374.0491358	0.0009642	0.5000	
428:	13	6	7	1	12	6	7	0		374.7100000	374.7091494	
0.0008506	-0.0002000	0.0000000							374.7091494	0.0008506	0.5000	
429:	13	6	8	1	12	6	6	0		374.7100000	374.7091494	
0.0008506	-0.0002000	0.0000000							374.7091494	0.0008506	0.5000	
430:	14	6	8	1	13	6	8	0		375.3720000	375.3708680	
0.0011320	-0.0002000	0.0000000							375.3708680	0.0011320	0.5000	
431:	14	6	9	1	13	6	7	0		375.3720000	375.3708680	
0.0011320	-0.0002000	0.0000000							375.3708680	0.0011320	0.5000	
432:	15	6	9	1	14	6	9	0		376.0352000	376.0342891	
0.0009109	-0.0002000	0.0000000							376.0342891	0.0009109	0.5000	
433:	15	6	10	1	14	6	8	0		376.0352000	376.0342891	
0.0009109	-0.0002000	0.0000000							376.0342891	0.0009109	0.5000	
434:	16	6	10	1	15	6	10	0		376.7005000	376.6994104	
0.0010896	-0.0002000	0.0000000							376.6994104	0.0010896	0.5000	
435:	16	6	11	1	15	6	9	0		376.7005000	376.6994104	
0.0010896	-0.0002000	0.0000000							376.6994104	0.0010896	0.5000	
436:	17	6	11	1	16	6	11	0		377.3667000	377.3662294	
0.0004706	-0.0002000	0.0000000							377.3662294	0.0004706	0.5000	
437:	17	6	12	1	16	6	10	0		377.3667000	377.3662294	
0.0004706	-0.0002000	0.0000000							377.3662294	0.0004706	0.5000	
438:	18	6	12	1	17	6	12	0		378.0355000	378.0347436	
0.0007564	-0.0002000	0.0000000							378.0347436	0.0007564	0.5000	
439:	18	6	13	1	17	6	11	0		378.0355000	378.0347436	
0.0007564	-0.0002000	0.0000000							378.0347436	0.0007564	0.5000	
440:	19	6	13	1	18	6	13	0		378.7056000	378.7049506	
0.0006494	-0.0002000	0.0000000							378.7049506	0.0006494	0.5000	

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441: 19 6 14 1 18 6 12 0		378.7056000	378.7049506
0.0006494 -0.0002000 0.0000000	378.7049506	0.0006494 0.5000	
442: 20 6 14 1 19 6 14 0		379.3772000	379.3768479
0.0003521 -0.0002000 0.0000000	379.3768479	0.0003521 0.5000	
443: 20 6 15 1 19 6 13 0		379.3772000	379.3768479
0.0003521 -0.0002000 0.0000000	379.3768479	0.0003521 0.5000	
444: 21 6 15 1 20 6 15 0		380.0507000	380.0504329
0.0002671 -0.0002000 0.0000000	380.0504329	0.0002671 0.5000	
445: 21 6 16 1 20 6 14 0		380.0507000	380.0504329
0.0002671 -0.0002000 0.0000000	380.0504329	0.0002671 0.5000	
446: 22 6 16 1 21 6 16 0		380.7263000	380.7257030
0.0005970 -0.0002000 0.0000000	380.7257030	0.0005970 0.5000	
447: 22 6 17 1 21 6 15 0		380.7263000	380.7257030
0.0005970 -0.0002000 0.0000000	380.7257030	0.0005970 0.5000	
448: 23 6 17 1 22 6 17 0		381.4028000	381.4026559
0.0001441 -0.0002000 0.0000000	381.4026559	0.0001441 0.5000	
449: 23 6 18 1 22 6 16 0		381.4028000	381.4026559
0.0001441 -0.0002000 0.0000000	381.4026559	0.0001441 0.5000	
450: 24 6 18 1 23 6 18 0		382.0814000	382.0812888
0.0001112 -0.0002000 0.0000000	382.0812888	0.0001112 0.5000	
451: 24 6 19 1 23 6 17 0		382.0814000	382.0812888
0.0001112 -0.0002000 0.0000000	382.0812888	0.0001112 0.5000	
452: 25 6 19 1 24 6 19 0		382.7619000	382.7615992
0.0003008 -0.0002000 0.0000000	382.7615992	0.0003008 0.5000	
453: 25 6 20 1 24 6 18 0		382.7619000	382.7615992
0.0003008 -0.0002000 0.0000000	382.7615992	0.0003008 0.5000	
454: 26 6 20 1 25 6 20 0		383.4438000	383.4435845
0.0002155 -0.0002000 0.0000000	383.4435845	0.0002155 0.5000	
455: 26 6 21 1 25 6 19 0		383.4438000	383.4435845
0.0002155 -0.0002000 0.0000000	383.4435845	0.0002155 0.5000	
456: 27 6 21 1 26 6 21 0		384.1274000	384.1272419
0.0001581 -0.0002000 0.0000000	384.1272419	0.0001581 0.5000	
457: 27 6 22 1 26 6 20 0		384.1274000	384.1272419
0.0001581 -0.0002000 0.0000000	384.1272419	0.0001581 0.5000	
458: 28 6 22 1 27 6 22 0		384.8129000	384.8125690
0.0003310 -0.0002000 0.0000000	384.8125690	0.0003310 0.5000	
459: 28 6 23 1 27 6 21 0		384.8129000	384.8125690
0.0003310 -0.0002000 0.0000000	384.8125690	0.0003310 0.5000	
460: 29 6 23 1 28 6 23 0		385.4998000	385.4995629
0.0002371 -0.0002000 0.0000000	385.4995629	0.0002371 0.5000	
461: 29 6 24 1 28 6 22 0		385.4998000	385.4995629
0.0002371 -0.0002000 0.0000000	385.4995629	0.0002371 0.5000	
462: 30 6 24 1 29 6 24 0		386.1884000	386.1882210
0.0001790 -0.0002000 0.0000000	386.1882210	0.0001790 0.5000	
463: 30 6 25 1 29 6 23 0		386.1884000	386.1882210
0.0001790 -0.0002000 0.0000000	386.1882210	0.0001790 0.5000	
464: 31 6 25 1 30 6 25 0		386.8784000	386.8785405 -
0.0001405 -0.0002000 0.0000000	386.8785405	-0.0001405 0.5000	
465: 31 6 26 1 30 6 24 0		386.8784000	386.8785405 -
0.0001405 -0.0002000 0.0000000	386.8785405	-0.0001405 0.5000	
466: 32 6 26 1 31 6 26 0		387.5705000	387.5705186 -
0.0000186 -0.0002000 0.0000000	387.5705186	-0.0000186 0.5000	
467: 32 6 27 1 31 6 25 0		387.5705000	387.5705186 -
0.0000186 -0.0002000 0.0000000	387.5705186	-0.0000186 0.5000	
468: 33 6 27 1 32 6 27 0		388.2640000	388.2641527 -
0.0001527 -0.0002000 0.0000000	388.2641527	-0.0001527 0.5000	
469: 33 6 28 1 32 6 26 0		388.2640000	388.2641527 -
0.0001527 -0.0002000 0.0000000	388.2641527	-0.0001527 0.5000	
470: 34 6 28 1 33 6 28 0		388.9593000	388.9594398 -
0.0001398 -0.0002000 0.0000000	388.9594398	-0.0001398 0.5000	

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471: 34 6 29 1 33 6 27 0		388.9593000	388.9594398	-
0.0001398 -0.0002000 0.0000000	388.9594398	-0.0001398	0.5000	
472: 35 6 29 1 34 6 29 0		389.6561000	389.6563771	-
0.0002771 -0.0002000 0.0000000	389.6563771	-0.0002771	0.5000	
473: 35 6 30 1 34 6 28 0		389.6561000	389.6563771	-
0.0002771 -0.0002000 0.0000000	389.6563771	-0.0002771	0.5000	
474: 36 6 30 1 35 6 30 0		390.3550000	390.3549617	
0.0000383 -0.0002000 0.0000000	390.3549617	0.0000383	0.5000	
475: 36 6 31 1 35 6 29 0		390.3550000	390.3549617	
0.0000383 -0.0002000 0.0000000	390.3549617	0.0000383	0.5000	
476: 37 6 31 1 36 6 31 0		391.0548000	391.0551908	-
0.0003908 -0.0002000 0.0000000	391.0551908	-0.0003908	0.5000	
477: 37 6 32 1 36 6 30 0		391.0548000	391.0551908	-
0.0003908 -0.0002000 0.0000000	391.0551908	-0.0003908	0.5000	
478: 38 6 32 1 37 6 32 0		391.7569000	391.7570615	-
0.0001615 -0.0002000 0.0000000	391.7570615	-0.0001615	0.5000	
479: 38 6 33 1 37 6 31 0		391.7569000	391.7570615	-
0.0001615 -0.0002000 0.0000000	391.7570615	-0.0001615	0.5000	
480: 39 6 33 1 38 6 33 0		392.4603000	392.4605706	-
0.0002706 -0.0002000 0.0000000	392.4605706	-0.0002706	0.5000	
481: 39 6 34 1 38 6 32 0		392.4603000	392.4605706	-
0.0002706 -0.0002000 0.0000000	392.4605706	-0.0002706	0.5000	
482: 40 6 34 1 39 6 34 0		393.1658000	393.1657154	
0.0000846 -0.0002000 0.0000000	393.1657154	0.0000846	0.5000	
483: 40 6 35 1 39 6 33 0		393.1658000	393.1657153	
0.0000847 -0.0002000 0.0000000	393.1657154	0.0000846	0.5000	
484: 41 6 35 1 40 6 35 0		393.8724000	393.8724926	-
0.0000926 -0.0002000 0.0000000	393.8724926	-0.0000926	0.5000	
485: 41 6 36 1 40 6 34 0		393.8724000	393.8724926	-
0.0000926 -0.0002000 0.0000000	393.8724926	-0.0000926	0.5000	
486: 42 6 36 1 41 6 36 0		394.5806000	394.5808994	-
0.0002994 -0.0002000 0.0000000	394.5808994	-0.0002994	0.5000	
487: 42 6 37 1 41 6 35 0		394.5806000	394.5808993	-
0.0002993 -0.0002000 0.0000000	394.5808994	-0.0002994	0.5000	
488: 43 6 37 1 42 6 37 0		395.2909000	395.2909325	-
0.0000325 -0.0002000 0.0000000	395.2909325	-0.0000325	0.5000	
489: 43 6 38 1 42 6 36 0		395.2909000	395.2909325	-
0.0000325 -0.0002000 0.0000000	395.2909325	-0.0000325	0.5000	
490: 8 6 2 1 9 6 4 0		360.5871000	360.5868236	
0.0002764 -0.0002000 0.0000000	360.5868236	0.0002764	0.5000	
491: 8 6 3 1 9 6 3 0		360.5871000	360.5868236	
0.0002764 -0.0002000 0.0000000	360.5868236	0.0002764	0.5000	
492: 9 6 3 1 10 6 5 0		359.9655000	359.9649018	
0.0005982 -0.0002000 0.0000000	359.9649018	0.0005982	0.5000	
493: 9 6 4 1 10 6 4 0		359.9655000	359.9649018	
0.0005982 -0.0002000 0.0000000	359.9649018	0.0005982	0.5000	
494: 10 6 4 1 11 6 6 0		359.3456000	359.3447367	
0.0008633 -0.0002000 0.0000000	359.3447367	0.0008633	0.5000	
495: 10 6 5 1 11 6 5 0		359.3456000	359.3447367	
0.0008633 -0.0002000 0.0000000	359.3447367	0.0008633	0.5000	
496: 11 6 5 1 12 6 7 0		358.7273000	358.7263304	
0.0009696 -0.0002000 0.0000000	358.7263304	0.0009696	0.5000	
497: 11 6 6 1 12 6 6 0		358.7273000	358.7263304	
0.0009696 -0.0002000 0.0000000	358.7263304	0.0009696	0.5000	
498: 12 6 6 1 13 6 8 0		358.1108000	358.1096850	
0.0011150 -0.0002000 0.0000000	358.1096850	0.0011150	0.5000	
499: 12 6 7 1 13 6 7 0		358.1108000	358.1096850	
0.0011150 -0.0002000 0.0000000	358.1096850	0.0011150	0.5000	
500: 13 6 7 1 14 6 9 0		357.4956000	357.4948024	
0.0007976 -0.0002000 0.0000000	357.4948024	0.0007976	0.5000	



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501: 13 6 8 1 14 6 8 0		357.4956000	357.4948024
0.0007976 -0.0002000 0.0000000	357.4948024	0.0007976 0.5000	
502: 14 6 8 1 15 6 10 0		356.8826000	356.8816849
0.0009151 -0.0002000 0.0000000	356.8816849	0.0009151 0.5000	
503: 14 6 9 1 15 6 9 0		356.8826000	356.8816849
0.0009151 -0.0002000 0.0000000	356.8816849	0.0009151 0.5000	
504: 15 6 9 1 16 6 11 0		356.2710000	356.2703343
0.0006657 -0.0002000 0.0000000	356.2703343	0.0006657 0.5000	
505: 15 6 10 1 16 6 10 0		356.2710000	356.2703343
0.0006657 -0.0002000 0.0000000	356.2703343	0.0006657 0.5000	
506: 16 6 10 1 17 6 12 0		355.6614000	355.6607528
0.0006472 -0.0002000 0.0000000	355.6607528	0.0006472 0.5000	
507: 16 6 11 1 17 6 11 0		355.6614000	355.6607528
0.0006472 -0.0002000 0.0000000	355.6607528	0.0006472 0.5000	
508: 17 6 11 1 18 6 13 0		355.0540000	355.0529423
0.0010577 -0.0002000 0.0000000	355.0529423	0.0010577 0.5000	
509: 17 6 12 1 18 6 12 0		355.0540000	355.0529423
0.0010577 -0.0002000 0.0000000	355.0529423	0.0010577 0.5000	
510: 18 6 12 1 19 6 14 0		354.4477000	354.4469048
0.0007952 -0.0002000 0.0000000	354.4469048	0.0007952 0.5000	
511: 18 6 13 1 19 6 13 0		354.4477000	354.4469048
0.0007952 -0.0002000 0.0000000	354.4469048	0.0007952 0.5000	
512: 19 6 13 1 20 6 15 0		353.8431000	353.8426423
0.0004577 -0.0002000 0.0000000	353.8426423	0.0004577 0.5000	
513: 19 6 14 1 20 6 14 0		353.8431000	353.8426423
0.0004577 -0.0002000 0.0000000	353.8426423	0.0004577 0.5000	
514: 20 6 14 1 21 6 16 0		353.2404000	353.2401567
0.0002433 -0.0002000 0.0000000	353.2401567	0.0002433 0.5000	
515: 20 6 15 1 21 6 15 0		353.2404000	353.2401567
0.0002433 -0.0002000 0.0000000	353.2401567	0.0002433 0.5000	
516: 21 6 15 1 22 6 17 0		352.6397000	352.6394500
0.0002500 -0.0002000 0.0000000	352.6394500	0.0002500 0.5000	
517: 21 6 16 1 22 6 16 0		352.6397000	352.6394500
0.0002500 -0.0002000 0.0000000	352.6394500	0.0002500 0.5000	
518: 22 6 16 1 23 6 18 0		352.0411000	352.0405240
0.0005760 -0.0002000 0.0000000	352.0405240	0.0005760 0.5000	
519: 22 6 17 1 23 6 17 0		352.0411000	352.0405240
0.0005760 -0.0002000 0.0000000	352.0405240	0.0005760 0.5000	
520: 23 6 17 1 24 6 19 0		351.4436000	351.4433806
0.0002194 -0.0002000 0.0000000	351.4433806	0.0002194 0.5000	
521: 23 6 18 1 24 6 18 0		351.4436000	351.4433806
0.0002194 -0.0002000 0.0000000	351.4433806	0.0002194 0.5000	
522: 24 6 18 1 25 6 20 0		350.8483000	350.8480218
0.0002782 -0.0002000 0.0000000	350.8480218	0.0002782 0.5000	
523: 24 6 19 1 25 6 19 0		350.8483000	350.8480218
0.0002782 -0.0002000 0.0000000	350.8480218	0.0002782 0.5000	
524: 25 6 19 1 26 6 21 0		350.2547000	350.2544494
0.0002506 -0.0002000 0.0000000	350.2544494	0.0002506 0.5000	
525: 25 6 20 1 26 6 20 0		350.2547000	350.2544494
0.0002506 -0.0002000 0.0000000	350.2544494	0.0002506 0.5000	
526: 26 6 20 1 27 6 22 0		349.6627000	349.6626651
0.0000349 -0.0002000 0.0000000			
527: 28 6 22 1 29 6 24 0		348.4845000	348.4844684
0.0000316 -0.0002000 0.0000000	348.4844684	0.0000316 0.5000	
528: 28 6 23 1 29 6 23 0		348.4845000	348.4844684
0.0000316 -0.0002000 0.0000000	348.4844684	0.0000316 0.5000	
529: 29 6 23 1 30 6 25 0		347.8981000	347.8980595
0.0000405 -0.0002000 0.0000000	347.8980595	0.0000405 0.5000	
530: 29 6 24 1 30 6 24 0		347.8981000	347.8980595
0.0000405 -0.0002000 0.0000000	347.8980595	0.0000405 0.5000	

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531: 30 6 24 1 31 6 26 0		347.3136000	347.3134460
0.0001540 -0.0002000 0.0000000	347.3134460	0.0001540 0.5000	
532: 30 6 25 1 31 6 25 0		347.3136000	347.3134460
0.0001540 -0.0002000 0.0000000	347.3134460	0.0001540 0.5000	
533: 31 6 25 1 32 6 27 0		346.7305000	346.7306294 -
0.0001294 -0.0002000 0.0000000	346.7306294	-0.0001294 0.5000	
534: 31 6 26 1 32 6 26 0		346.7305000	346.7306294 -
0.0001294 -0.0002000 0.0000000	346.7306294	-0.0001294 0.5000	
535: 32 6 26 1 33 6 28 0		346.1496000	346.1496115 -
0.0000115 -0.0002000 0.0000000	346.1496115	-0.0000115 0.5000	
536: 32 6 27 1 33 6 27 0		346.1496000	346.1496115 -
0.0000115 -0.0002000 0.0000000	346.1496115	-0.0000115 0.5000	
537: 33 6 27 1 34 6 29 0		345.5703000	345.5703940 -
0.0000940 -0.0002000 0.0000000	345.5703940	-0.0000940 0.5000	
538: 33 6 28 1 34 6 28 0		345.5703000	345.5703940 -
0.0000940 -0.0002000 0.0000000	345.5703940	-0.0000940 0.5000	
539: 34 6 28 1 35 6 30 0		344.9931000	344.9929784
0.0001216 -0.0002000 0.0000000	344.9929784	0.0001216 0.5000	
540: 34 6 29 1 35 6 29 0		344.9931000	344.9929784
0.0001216 -0.0002000 0.0000000	344.9929784	0.0001216 0.5000	
541: 35 6 29 1 36 6 31 0		344.4172000	344.4173665 -
0.0001665 -0.0002000 0.0000000	344.4173665	-0.0001665 0.5000	
542: 35 6 30 1 36 6 30 0		344.4172000	344.4173665 -
0.0001665 -0.0002000 0.0000000	344.4173665	-0.0001665 0.5000	
543: 36 6 30 1 37 6 32 0		343.8436000	343.8435597
0.0000403 -0.0002000 0.0000000	343.8435597	0.0000403 0.5000	
544: 36 6 31 1 37 6 31 0		343.8436000	343.8435597
0.0000403 -0.0002000 0.0000000	343.8435597	0.0000403 0.5000	
545: 37 6 31 1 38 6 33 0		343.2716000	343.2715597
0.0000403 -0.0002000 0.0000000	343.2715597	0.0000403 0.5000	
546: 37 6 32 1 38 6 32 0		343.2716000	343.2715597
0.0000403 -0.0002000 0.0000000	343.2715597	0.0000403 0.5000	
547: 38 6 32 1 39 6 34 0		342.7012000	342.7013680 -
0.0001680 -0.0002000 0.0000000	342.7013680	-0.0001680 0.5000	
548: 38 6 33 1 39 6 33 0		342.7012000	342.7013679 -
0.0001679 -0.0002000 0.0000000	342.7013680	-0.0001680 0.5000	
549: 39 6 33 1 40 6 35 0		342.1329000	342.1329859 -
0.0000859 -0.0002000 0.0000000	342.1329859	-0.0000859 0.5000	
550: 39 6 34 1 40 6 34 0		342.1329000	342.1329859 -
0.0000859 -0.0002000 0.0000000	342.1329859	-0.0000859 0.5000	
551: 40 6 34 1 41 6 36 0		341.5663000	341.5664151 -
0.0001151 -0.0002000 0.0000000	341.5664151	-0.0001151 0.5000	
552: 40 6 35 1 41 6 35 0		341.5663000	341.5664151 -
0.0001151 -0.0002000 0.0000000	341.5664151	-0.0001151 0.5000	
553: 41 6 35 1 42 6 37 0		341.0013000	341.0016569 -
0.0003569 -0.0002000 0.0000000	341.0016569	-0.0003569 0.5000	
554: 41 6 36 1 42 6 36 0		341.0013000	341.0016569 -
0.0003569 -0.0002000 0.0000000	341.0016569	-0.0003569 0.5000	
555: 42 6 36 1 43 6 38 0		340.4385000	340.4387128 -
0.0002128 -0.0002000 0.0000000	340.4387128	-0.0002128 0.5000	
556: 42 6 37 1 43 6 37 0		340.4385000	340.4387127 -
0.0002127 -0.0002000 0.0000000	340.4387128	-0.0002128 0.5000	
557: 43 6 37 1 44 6 39 0		339.8779000	339.8775840
0.0003160 -0.0002000 0.0000000	339.8775840	0.0003160 0.5000	
558: 43 6 38 1 44 6 38 0		339.8779000	339.8775839
0.0003161 -0.0002000 0.0000000	339.8775840	0.0003160 0.5000	
559: 44 6 38 1 45 6 40 0		339.3186000	339.3182720
0.0003280 -0.0002000 0.0000000	339.3182719	0.0003281 0.5000	
560: 44 6 39 1 45 6 39 0		339.3186000	339.3182719
0.0003281 -0.0002000 0.0000000	339.3182719	0.0003281 0.5000	

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561: 45 6 39 1 46 6 41 0		338.7606000	338.7607779	-
0.0001779 -0.0002000 0.0000000				
562: 47 6 41 1 48 6 43 0		337.6514000	337.6512489	
0.0001511 -0.0002000 0.0000000	337.6512488	0.0001512	0.5000	
563: 47 6 42 1 48 6 42 0		337.6514000	337.6512487	
0.0001513 -0.0002000 0.0000000	337.6512488	0.0001512	0.5000	
564: 48 6 42 1 49 6 44 0		337.0993000	337.0992163	
0.0000837 -0.0002000 0.0000000	337.0992161	0.0000839	0.5000	
565: 48 6 43 1 49 6 43 0		337.0993000	337.0992160	
0.0000840 -0.0002000 0.0000000	337.0992161	0.0000839	0.5000	
566: 49 6 43 1 50 6 45 0		336.5496000	336.5490065	
0.0005935 -0.0002000 0.0000000				
567: 10 7 3 1 9 7 3 0		362.4933000	362.4933718	-
0.0000718 -0.0002000 0.0000000	362.4933718	-0.0000718	0.5000	
568: 10 7 4 1 9 7 2 0		362.4933000	362.4933718	-
0.0000718 -0.0002000 0.0000000	362.4933718	-0.0000718	0.5000	
569: 11 7 4 1 10 7 4 0		363.1501000	363.1505022	-
0.0004022 -0.0002000 0.0000000	363.1505022	-0.0004022	0.5000	
570: 11 7 5 1 10 7 3 0		363.1501000	363.1505022	-
0.0004022 -0.0002000 0.0000000	363.1505022	-0.0004022	0.5000	
571: 12 7 5 1 11 7 5 0		363.8090000	363.8094096	-
0.0004096 -0.0002000 0.0000000	363.8094096	-0.0004096	0.5000	
572: 12 7 6 1 11 7 4 0		363.8090000	363.8094096	-
0.0004096 -0.0002000 0.0000000	363.8094096	-0.0004096	0.5000	
573: 13 7 6 1 12 7 6 0		364.4694000	364.4700910	-
0.0006910 -0.0002000 0.0000000	364.4700910	-0.0006910	0.5000	
574: 13 7 7 1 12 7 5 0		364.4694000	364.4700910	-
0.0006910 -0.0002000 0.0000000	364.4700910	-0.0006910	0.5000	
575: 14 7 7 1 13 7 7 0		365.1317000	365.1325436	-
0.0008436 -0.0002000 0.0000000	365.1325436	-0.0008436	0.5000	
576: 14 7 8 1 13 7 6 0		365.1317000	365.1325436	-
0.0008436 -0.0002000 0.0000000	365.1325436	-0.0008436	0.5000	
577: 15 7 8 1 14 7 8 0		365.7960000	365.7967645	-
0.0007645 -0.0002000 0.0000000	365.7967645	-0.0007645	0.5000	
578: 15 7 9 1 14 7 7 0		365.7960000	365.7967645	-
0.0007645 -0.0002000 0.0000000	365.7967645	-0.0007645	0.5000	
579: 16 7 9 1 15 7 9 0		366.4620000	366.4627508	-
0.0007508 -0.0002000 0.0000000	366.4627508	-0.0007508	0.5000	
580: 16 7 10 1 15 7 8 0		366.4620000	366.4627508	-
0.0007508 -0.0002000 0.0000000	366.4627508	-0.0007508	0.5000	
581: 17 7 10 1 16 7 10 0		367.1299000	367.1304996	-
0.0005996 -0.0002000 0.0000000	367.1304996	-0.0005996	0.5000	
582: 17 7 11 1 16 7 9 0		367.1299000	367.1304996	-
0.0005996 -0.0002000 0.0000000	367.1304996	-0.0005996	0.5000	
583: 18 7 11 1 17 7 11 0		367.7994000	367.8000077	-
0.0006077 -0.0002000 0.0000000	367.8000077	-0.0006077	0.5000	
584: 18 7 12 1 17 7 10 0		367.7994000	367.8000077	-
0.0006077 -0.0002000 0.0000000	367.8000077	-0.0006077	0.5000	
585: 19 7 12 1 18 7 12 0		368.4710000	368.4712721	-
0.0002721 -0.0002000 0.0000000	368.4712721	-0.0002721	0.5000	
586: 19 7 13 1 18 7 11 0		368.4710000	368.4712721	-
0.0002721 -0.0002000 0.0000000	368.4712721	-0.0002721	0.5000	
587: 20 7 13 1 19 7 13 0		369.1441000	369.1442897	-
0.0001897 -0.0002000 0.0000000	369.1442897	-0.0001897	0.5000	
588: 20 7 14 1 19 7 12 0		369.1441000	369.1442897	-
0.0001897 -0.0002000 0.0000000	369.1442897	-0.0001897	0.5000	
589: 21 7 14 1 20 7 14 0		369.8186000	369.8190572	-
0.0004572 -0.0002000 0.0000000	369.8190572	-0.0004572	0.5000	
590: 21 7 15 1 20 7 13 0		369.8186000	369.8190572	-
0.0004572 -0.0002000 0.0000000	369.8190572	-0.0004572	0.5000	

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591:	22	7	15	1	21	7	15	0		370.4952000	370.4955716	-
0.0003716	-0.0002000	0.0000000							370.4955716	-0.0003716	0.5000	-
592:	22	7	16	1	21	7	14	0		370.4952000	370.4955716	-
0.0003716	-0.0002000	0.0000000							370.4955716	-0.0003716	0.5000	-
593:	23	7	16	1	22	7	16	0		371.1735000	371.1738294	-
0.0003294	-0.0002000	0.0000000							371.1738294	-0.0003294	0.5000	-
594:	23	7	17	1	22	7	15	0		371.1735000	371.1738294	-
0.0003294	-0.0002000	0.0000000							371.1738294	-0.0003294	0.5000	-
595:	24	7	17	1	23	7	17	0		371.8536000	371.8538274	-
0.0002274	-0.0002000	0.0000000							371.8538274	-0.0002274	0.5000	-
596:	24	7	18	1	23	7	16	0		371.8536000	371.8538274	-
0.0002274	-0.0002000	0.0000000							371.8538274	-0.0002274	0.5000	-
597:	25	7	18	1	24	7	18	0		372.5357000	372.5355621	-
0.0001379	-0.0002000	0.0000000							372.5355621	0.0001379	0.5000	-
598:	25	7	19	1	24	7	17	0		372.5357000	372.5355621	-
0.0001379	-0.0002000	0.0000000							372.5355621	0.0001379	0.5000	-
599:	26	7	19	1	25	7	19	0		373.2185000	373.2190302	-
0.0005302	-0.0002000	0.0000000							373.2190302	-0.0005302	0.5000	-
600:	26	7	20	1	25	7	18	0		373.2185000	373.2190302	-
0.0005302	-0.0002000	0.0000000							373.2190302	-0.0005302	0.5000	-
601:	28	7	21	1	27	7	21	0		374.5913000	374.5911525	-
0.0001475	-0.0002000	0.0000000							374.5911525	0.0001475	0.5000	-
602:	28	7	22	1	27	7	20	0		374.5913000	374.5911525	-
0.0001475	-0.0002000	0.0000000							374.5911525	0.0001475	0.5000	-
603:	29	7	22	1	28	7	22	0		375.2806000	375.2797996	-
0.0008004	-0.0002000	0.0000000							375.2797996	0.0008004	0.5000	-
604:	29	7	23	1	28	7	21	0		375.2806000	375.2797996	-
0.0008004	-0.0002000	0.0000000							375.2797996	0.0008004	0.5000	-
605:	30	7	23	1	29	7	23	0		375.9700000	375.9701658	-
0.0001658	-0.0002000	0.0000000							375.9701658	-0.0001658	0.5000	-
606:	30	7	24	1	29	7	22	0		375.9700000	375.9701658	-
0.0001658	-0.0002000	0.0000000							375.9701658	-0.0001658	0.5000	-
607:	31	7	24	1	30	7	24	0		376.6624000	376.6622474	-
0.0001526	-0.0002000	0.0000000							376.6622474	0.0001526	0.5000	-
608:	31	7	25	1	30	7	23	0		376.6624000	376.6622474	-
0.0001526	-0.0002000	0.0000000							376.6622474	0.0001526	0.5000	-
609:	32	7	25	1	31	7	25	0		377.3563000	377.3560407	-
0.0002593	-0.0002000	0.0000000							377.3560407	0.0002593	0.5000	-
610:	32	7	26	1	31	7	24	0		377.3563000	377.3560407	-
0.0002593	-0.0002000	0.0000000							377.3560407	0.0002593	0.5000	-
611:	33	7	26	1	32	7	26	0		378.0516000	378.0515419	-
0.0000581	-0.0002000	0.0000000							378.0515419	0.0000581	0.5000	-
612:	33	7	27	1	32	7	25	0		378.0516000	378.0515419	-
0.0000581	-0.0002000	0.0000000							378.0515419	0.0000581	0.5000	-
613:	34	7	27	1	33	7	27	0		378.7488000	378.7487472	-
0.0000528	-0.0002000	0.0000000							378.7487472	0.0000528	0.5000	-
614:	34	7	28	1	33	7	26	0		378.7488000	378.7487472	-
0.0000528	-0.0002000	0.0000000							378.7487472	0.0000528	0.5000	-
615:	35	7	28	1	34	7	28	0		379.4480000	379.4476525	-
0.0003475	-0.0002000	0.0000000							379.4476525	0.0003475	0.5000	-
616:	35	7	29	1	34	7	27	0		379.4480000	379.4476525	-
0.0003475	-0.0002000	0.0000000							379.4476525	0.0003475	0.5000	-
617:	36	7	29	1	35	7	29	0		380.1478000	380.1482540	-
0.0004540	-0.0002000	0.0000000							380.1482540	-0.0004540	0.5000	-
618:	36	7	30	1	35	7	28	0		380.1478000	380.1482540	-
0.0004540	-0.0002000	0.0000000							380.1482540	-0.0004540	0.5000	-
619:	10	7	3	1	11	7	5	0		349.1083000	349.1085501	-
0.0002501	-0.0002000	0.0000000										-
620:	12	7	5	1	13	7	7	0		347.8753000	347.8755293	-
0.0002293	-0.0002000	0.0000000							347.8755293	-0.0002293	0.5000	-

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621:	12	7	6	1	13	7	6	0		347.8753000	347.8755293	-
0.0002293	-0.0002000	0.0000000							347.8755293	-0.0002293	0.5000	
622:	13	7	6	1	14	7	8	0		347.2612000	347.2617635	-
0.0005635	-0.0002000	0.0000000							347.2617635	-0.0005635	0.5000	
623:	13	7	7	1	14	7	7	0		347.2612000	347.2617635	-
0.0005635	-0.0002000	0.0000000							347.2617635	-0.0005635	0.5000	
624:	14	7	7	1	15	7	9	0		346.6493000	346.6498297	-
0.0005297	-0.0002000	0.0000000							346.6498297	-0.0005297	0.5000	
625:	14	7	8	1	15	7	8	0		346.6493000	346.6498297	-
0.0005297	-0.0002000	0.0000000							346.6498297	-0.0005297	0.5000	
626:	15	7	8	1	16	7	10	0		346.0392000	346.0397294	-
0.0005294	-0.0002000	0.0000000							346.0397294	-0.0005294	0.5000	
627:	15	7	9	1	16	7	9	0		346.0392000	346.0397294	-
0.0005294	-0.0002000	0.0000000							346.0397294	-0.0005294	0.5000	
628:	16	7	9	1	17	7	11	0		345.4312000	345.4314643	-
0.0002643	-0.0002000	0.0000000							345.4314643	-0.0002643	0.5000	
629:	16	7	10	1	17	7	10	0		345.4312000	345.4314643	-
0.0002643	-0.0002000	0.0000000							345.4314643	-0.0002643	0.5000	
630:	17	7	10	1	18	7	12	0		344.8247000	344.8250358	-
0.0003358	-0.0002000	0.0000000							344.8250358	-0.0003358	0.5000	
631:	17	7	11	1	18	7	11	0		344.8247000	344.8250358	-
0.0003358	-0.0002000	0.0000000							344.8250358	-0.0003358	0.5000	
632:	18	7	11	1	19	7	13	0		344.2199000	344.2204455	-
0.0005455	-0.0002000	0.0000000							344.2204455	-0.0005455	0.5000	
633:	18	7	12	1	19	7	12	0		344.2199000	344.2204455	-
0.0005455	-0.0002000	0.0000000							344.2204455	-0.0005455	0.5000	
634:	19	7	12	1	20	7	14	0		343.6174000	343.6176947	-
0.0002947	-0.0002000	0.0000000							343.6176947	-0.0002947	0.5000	
635:	19	7	13	1	20	7	13	0		343.6174000	343.6176947	-
0.0002947	-0.0002000	0.0000000							343.6176947	-0.0002947	0.5000	
636:	20	7	13	1	21	7	15	0		343.0166000	343.0167848	-
0.0001848	-0.0002000	0.0000000							343.0167848	-0.0001848	0.5000	
637:	20	7	14	1	21	7	14	0		343.0166000	343.0167848	-
0.0001848	-0.0002000	0.0000000							343.0167848	-0.0001848	0.5000	
638:	21	7	14	1	22	7	16	0		342.4171000	342.4177172	-
0.0006172	-0.0002000	0.0000000							342.4177172	-0.0006172	0.5000	
639:	21	7	15	1	22	7	15	0		342.4171000	342.4177172	-
0.0006172	-0.0002000	0.0000000							342.4177172	-0.0006172	0.5000	
640:	22	7	15	1	23	7	17	0		341.8202000	341.8204931	-
0.0002931	-0.0002000	0.0000000							341.8204931	-0.0002931	0.5000	
641:	22	7	16	1	23	7	16	0		341.8202000	341.8204931	-
0.0002931	-0.0002000	0.0000000							341.8204931	-0.0002931	0.5000	
642:	23	7	16	1	24	7	18	0		341.2250000	341.2251137	-
0.0001137	-0.0002000	0.0000000							341.2251137	-0.0001137	0.5000	
643:	23	7	17	1	24	7	17	0		341.2250000	341.2251137	-
0.0001137	-0.0002000	0.0000000							341.2251137	-0.0001137	0.5000	
644:	24	7	17	1	25	7	19	0		340.6312000	340.6315803	-
0.0003803	-0.0002000	0.0000000							340.6315803	-0.0003803	0.5000	
645:	24	7	18	1	25	7	18	0		340.6312000	340.6315803	-
0.0003803	-0.0002000	0.0000000							340.6315803	-0.0003803	0.5000	
646:	25	7	18	1	26	7	20	0		340.0395000	340.0398939	-
0.0003939	-0.0002000	0.0000000										
647:	27	7	20	1	28	7	22	0		338.8617000	338.8620665	-
0.0003665	-0.0002000	0.0000000							338.8620665	-0.0003665	0.5000	
648:	27	7	21	1	28	7	21	0		338.8617000	338.8620665	-
0.0003665	-0.0002000	0.0000000							338.8620665	-0.0003665	0.5000	
649:	28	7	21	1	29	7	23	0		338.2756000	338.2759274	-
0.0003274	-0.0002000	0.0000000							338.2759274	-0.0003274	0.5000	
650:	28	7	22	1	29	7	22	0		338.2756000	338.2759274	-
0.0003274	-0.0002000	0.0000000							338.2759274	-0.0003274	0.5000	



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681: 16 0 16 2 15 0 15 0	476.8043000	476.8044674	-
0.0001674 -0.0002000 0.0000000			
682: 17 0 17 2 16 0 16 0	477.4603000	477.4605018	-
0.0002018 -0.0002000 0.0000000			
683: 18 0 18 2 17 0 17 0	478.1176000	478.1177267	-
0.0001267 -0.0002000 0.0000000			
684: 19 0 19 2 18 0 18 0	478.7760000	478.7761702	-
0.0001702 -0.0002000 0.0000000			
685: 20 0 20 2 19 0 19 0	479.4357000	479.4358621	-
0.0001621 -0.0002000 0.0000000			
686: 21 0 21 2 20 0 20 0	480.0966000	480.0968343	-
0.0002343 -0.0002000 0.0000000			
687: 22 0 22 2 21 0 21 0	480.7590000	480.7591203	-
0.0001203 -0.0002000 0.0000000			
688: 23 0 23 2 22 0 22 0	481.4226000	481.4227554	-
0.0001554 -0.0002000 0.0000000			
689: 24 0 24 2 23 0 23 0	482.0877000	482.0877765	-
0.0000765 -0.0002000 0.0000000			
690: 25 0 25 2 24 0 24 0	482.7541000	482.7542220	-
0.0001220 -0.0002000 0.0000000			
691: 26 0 26 2 25 0 25 0	483.4221000	483.4221323	-
0.0000323 -0.0002000 0.0000000			
692: 27 0 27 2 26 0 26 0	484.0915000	484.0915486	-
0.0000486 -0.0002000 0.0000000			
693: 28 0 28 2 27 0 27 0	484.7625000	484.7625141	-
0.0000141 -0.0002000 0.0000000			
694: 29 0 29 2 28 0 28 0	485.4350000	485.4350728	-
0.0000728 -0.0002000 0.0000000			
695: 30 0 30 2 29 0 29 0	486.1092000	486.1092700	-
0.0000700 -0.0002000 0.0000000			
696: 31 0 31 2 30 0 30 0	486.7851000	486.7851522	-
0.0000522 -0.0002000 0.0000000			
697: 32 0 32 2 31 0 31 0	487.4627000	487.4627666	-
0.0000666 -0.0002000 0.0000000			
698: 33 0 33 2 32 0 32 0	488.1421000	488.1421613	-
0.0000613 -0.0002000 0.0000000			
699: 34 0 34 2 33 0 33 0	488.8233000	488.8233849	-
0.0000849 -0.0002000 0.0000000			
700: 35 0 35 2 34 0 34 0	489.5064000	489.5064865	-
0.0000865 -0.0002000 0.0000000			
701: 36 0 36 2 35 0 35 0	490.1915000	490.1915155	-
0.0000155 -0.0002000 0.0000000			
702: 37 0 37 2 36 0 36 0	490.8785000	490.8785214	-
0.0000214 -0.0002000 0.0000000			
703: 38 0 38 2 37 0 37 0	491.5675000	491.5675535	-
0.0000535 -0.0002000 0.0000000			
704: 39 0 39 2 38 0 38 0	492.2586000	492.2586611	-
0.0000611 -0.0002000 0.0000000			
705: 40 0 40 2 39 0 39 0	492.9518000	492.9518927	-
0.0000927 -0.0002000 0.0000000			
706: 41 0 41 2 40 0 40 0	493.6473000	493.6472962	
0.0000038 -0.0002000 0.0000000			
707: 42 0 42 2 41 0 41 0	494.3449000	494.3449187	-
0.0000187 -0.0002000 0.0000000			
708: 43 0 43 2 42 0 42 0	495.0447000	495.0448060	-
0.0001060 -0.0002000 0.0000000			
709: 44 0 44 2 43 0 43 0	495.7470000	495.7470028	-
0.0000028 -0.0002000 0.0000000			
710: 45 0 45 2 44 0 44 0	496.4515000	496.4515520	-
0.0000520 -0.0002000 0.0000000			

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711: 46 0 46 2 45 0 45 0 0.0000950 -0.0002000 0.0000000	497.1584000	497.1584950 -
712: 47 0 47 2 46 0 46 0 0.0001710 -0.0002000 0.0000000	497.8677000	497.8678710 -
713: 48 0 48 2 47 0 47 0 0.0001173 -0.0002000 0.0000000	498.5796000	498.5797173 -
714: 49 0 49 2 48 0 48 0 0.0002687 -0.0002000 0.0000000	499.2938000	499.2940687 -
715: 50 0 50 2 49 0 49 0 0.0002576 -0.0002000 0.0000000	500.0107000	500.0109576 -
716: 0 0 0 2 1 0 1 0 0.0001568 -0.0002000 0.0000000	465.8160000	465.8161568 -
717: 1 0 1 2 2 0 2 0 0.0002585 -0.0002000 0.0000000	465.1787000	465.1789585 -
718: 2 0 2 2 3 0 3 0 0.0002876 -0.0002000 0.0000000	464.5425000	464.5427876 -
719: 3 0 3 2 4 0 4 0 0.0001553 -0.0002000 0.0000000	463.9075000	463.9076553 -
720: 4 0 4 2 5 0 5 0 0.0002749 -0.0002000 0.0000000	463.2733000	463.2735749 -
721: 5 0 5 2 6 0 6 0 0.0003615 -0.0002000 0.0000000	462.6402000	462.6405615 -
722: 6 0 6 2 7 0 7 0 0.0003322 -0.0002000 0.0000000	462.0083000	462.0086322 -
723: 7 0 7 2 8 0 8 0 0.0002061 -0.0002000 0.0000000	461.3776000	461.3778061 -
724: 8 0 8 2 9 0 9 0 0.0002045 -0.0002000 0.0000000	460.7479000	460.7481045 -
725: 9 0 9 2 10 0 10 0 0.0002503 -0.0002000 0.0000000	460.1193000	460.1195503 -
726: 10 0 10 2 11 0 11 0 0.0002685 -0.0002000 0.0000000	459.4919000	459.4921685 -
727: 11 0 11 2 12 0 12 0 0.0002863 -0.0002000 0.0000000	458.8657000	458.8659863 -
728: 12 0 12 2 13 0 13 0 0.0002325 -0.0002000 0.0000000	458.2408000	458.2410325 -
729: 13 0 13 2 14 0 14 0 0.0002380 -0.0002000 0.0000000	457.6171000	457.6173380 -
730: 14 0 14 2 15 0 15 0 0.0002356 -0.0002000 0.0000000	456.9947000	456.9949356 -
731: 16 0 16 2 17 0 17 0 0.0001480 -0.0002000 0.0000000	455.7540000	455.7541480 -
732: 17 0 17 2 18 0 18 0 0.0002376 -0.0002000 0.0000000	455.1356000	455.1358376 -
733: 18 0 18 2 19 0 19 0 0.0001694 -0.0002000 0.0000000	454.5188000	454.5189694 -
734: 19 0 19 2 20 0 20 0 0.0001853 -0.0002000 0.0000000	453.9034000	453.9035853 -
735: 20 0 20 2 21 0 21 0 0.0001290 -0.0002000 0.0000000	453.2896000	453.2897290 -
736: 21 0 21 2 22 0 22 0 0.0000459 -0.0002000 0.0000000	452.6774000	452.6774459 -
737: 22 0 22 2 23 0 23 0 0.0001831 -0.0002000 0.0000000	452.0666000	452.0667831 -
738: 23 0 23 2 24 0 24 0 0.0000892 -0.0002000 0.0000000	451.4577000	451.4577892 -
739: 24 0 24 2 25 0 25 0 0.0001141 -0.0002000 0.0000000	450.8504000	450.8505141 -
740: 25 0 25 2 26 0 26 0 0.0001093 -0.0002000 0.0000000	450.2449000	450.2450093 -



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741: 26 0 26 2 27 0 27 0 0.0001275 -0.0002000 0.0000000	449.6412000	449.6413275 -
742: 27 0 27 2 28 0 28 0 0.0000223 -0.0002000 0.0000000	449.0395000	449.0395223 -
743: 28 0 28 2 29 0 29 0 0.0001488 -0.0002000 0.0000000	448.4395000	448.4396488 -
744: 29 0 29 2 30 0 30 0 0.0000626 -0.0002000 0.0000000	447.8417000	447.8417626 -
745: 30 0 30 2 31 0 31 0 0.0001204 -0.0002000 0.0000000	447.2458000	447.2459204 -
746: 31 0 31 2 32 0 32 0 0.0000793 -0.0002000 0.0000000	446.6521000	446.6521793 -
747: 32 0 32 2 33 0 33 0 0.0000968 -0.0002000 0.0000000	446.0605000	446.0605968 -
748: 33 0 33 2 34 0 34 0 0.0000310 -0.0002000 0.0000000	445.4712000	445.4712310 -
749: 34 0 34 2 35 0 35 0 0.0000396 -0.0002000 0.0000000	444.8841000	444.8841396 -
750: 35 0 35 2 36 0 36 0 0.0000193 -0.0002000 0.0000000	444.2994000	444.2993807
751: 36 0 36 2 37 0 37 0 0.0001117 -0.0002000 0.0000000	443.7169000	443.7170117 -
752: 37 0 37 2 38 0 38 0 0.0000103 -0.0002000 0.0000000	443.1371000	443.1370897
753: 38 0 38 2 39 0 39 0 0.0000290 -0.0002000 0.0000000	442.5597000	442.5596710
754: 39 0 39 2 40 0 40 0 0.0001111 -0.0002000 0.0000000	441.9847000	441.9848111 -
755: 40 0 40 2 41 0 41 0 0.0000361 -0.0002000 0.0000000	441.4126000	441.4125639
756: 41 0 41 2 42 0 42 0 0.0000825 -0.0002000 0.0000000	440.8429000	440.8429825 -
757: 42 0 42 2 43 0 43 0 0.0000179 -0.0002000 0.0000000	440.2761000	440.2761179 -
758: 43 0 43 2 44 0 44 0 0.0001194 -0.0002000 0.0000000	439.7119000	439.7120194 -
759: 45 0 45 2 46 0 46 0 0.0000076 -0.0002000 0.0000000	438.5923000	438.5923076 -
760: 46 0 46 2 47 0 47 0 0.0000183 -0.0002000 0.0000000	438.0368000	438.0367817
761: 47 0 47 2 48 0 48 0 0.0002965 -0.0002000 0.0000000	437.4839000	437.4841965 -
762: 48 0 48 2 49 0 49 0 0.0002890 -0.0002000 0.0000000	436.9343000	436.9345890 -
763: 49 0 49 2 50 0 50 0 0.0002931 -0.0002000 0.0000000	436.3877000	436.3879931 -
764: 2 1 2 2 1 1 1 0 0.0000718 -0.0002000 0.0000000	469.5766000	469.5766718 -
765: 2 1 1 2 1 1 0 0 0.0000468 -0.0002000 0.0000000	469.5871000	469.5871468 -
766: 3 1 3 2 2 1 2 0 0.0000869 -0.0002000 0.0000000	470.2158000	470.2158869 -
767: 3 1 2 2 2 1 1 0 0.0000983 -0.0002000 0.0000000	470.2303000	470.2303983 -
768: 4 1 4 2 3 1 3 0 0.0002082 -0.0002000 0.0000000	470.8563000	470.8565082 -
769: 5 1 5 2 4 1 4 0 0.0001342 -0.0002000 0.0000000	471.4984000	471.4985342 -
770: 5 1 4 2 4 1 3 0 0.0001155 -0.0002000 0.0000000	471.5186000	471.5187155 -

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771: 6 1 6 2 5 1 5 0	472.1419000	472.1419640	-
0.0000640 -0.0002000 0.0000000			
772: 6 1 5 2 5 1 4 0	472.1637000	472.1637785	-
0.0000785 -0.0002000 0.0000000			
773: 7 1 7 2 6 1 6 0	472.7867000	472.7867971	-
0.0000971 -0.0002000 0.0000000			
774: 7 1 6 2 6 1 5 0	472.8093000	472.8094435	-
0.0001435 -0.0002000 0.0000000			
775: 8 1 8 2 7 1 7 0	473.4330000	473.4330335	-
0.0000335 -0.0002000 0.0000000			
776: 8 1 7 2 7 1 6 0	473.4557000	473.4557104	-
0.0000104 -0.0002000 0.0000000			
777: 9 1 9 2 8 1 8 0	474.0806000	474.0806738	-
0.0000738 -0.0002000 0.0000000			
778: 9 1 8 2 8 1 7 0	474.1025000	474.1025796	-
0.0000796 -0.0002000 0.0000000			
779: 10 1 10 2 9 1 9 0	474.7297000	474.7297191	-
0.0000191 -0.0002000 0.0000000			
780: 10 1 9 2 9 1 8 0	474.7500000	474.7500522	-
0.0000522 -0.0002000 0.0000000			
781: 11 1 11 2 10 1 10 0	475.3802000	475.3801710	
0.0000290 -0.0002000 0.0000000			
782: 11 1 10 2 10 1 9 0	475.3981000	475.3981297	-
0.0000297 -0.0002000 0.0000000			
783: 12 1 12 2 11 1 11 0	476.0320000	476.0320314	-
0.0000314 -0.0002000 0.0000000			
784: 12 1 11 2 11 1 10 0	476.0468000	476.0468140	-
0.0000140 -0.0002000 0.0000000			
785: 13 1 13 2 12 1 12 0	476.6853000	476.6853030	-
0.0000030 -0.0002000 0.0000000			
786: 13 1 12 2 12 1 11 0	476.6961000	476.6961078	-
0.0000078 -0.0002000 0.0000000			
787: 14 1 14 2 13 1 13 0	477.3400000	477.3399888	
0.0000112 -0.0002000 0.0000000			
788: 14 1 13 2 13 1 12 0	477.3460000	477.3460143	-
0.0000143 -0.0002000 0.0000000			
789: 15 1 15 2 14 1 14 0	477.9963000	477.9960922	
0.0002078 -0.0002000 0.0000000			
790: 16 1 15 2 15 1 14 0	478.6477000	478.6476804	
0.0000196 -0.0002000 0.0000000			
791: 16 1 16 2 15 1 15 0	478.6536000	478.6536173	-
0.0000173 -0.0002000 0.0000000			
792: 17 1 16 2 16 1 15 0	479.2994000	479.2994492	-
0.0000492 -0.0002000 0.0000000			
793: 17 1 17 2 16 1 16 0	479.3126000	479.3125684	
0.0000316 -0.0002000 0.0000000			
794: 18 1 17 2 17 1 16 0	479.9519000	479.9518489	
0.0000511 -0.0002000 0.0000000			
795: 18 1 18 2 17 1 17 0	479.9730000	479.9729506	
0.0000494 -0.0002000 0.0000000			
796: 19 1 18 2 18 1 17 0	480.6049000	480.6048854	
0.0000146 -0.0002000 0.0000000			
797: 19 1 19 2 18 1 18 0	480.6348000	480.6347690	
0.0000310 -0.0002000 0.0000000			
798: 20 1 19 2 19 1 18 0	481.2586000	481.2585655	
0.0000345 -0.0002000 0.0000000			
799: 20 1 20 2 19 1 19 0	481.2981000	481.2980295	
0.0000705 -0.0002000 0.0000000			
800: 21 1 20 2 20 1 19 0	481.9130000	481.9128965	
0.0001035 -0.0002000 0.0000000			

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801: 21 1 21 2 20 1 20 0	481.9628000	481.9627383
0.0000617 -0.0002000 0.0000000		
802: 22 1 21 2 21 1 20 0	482.5680000	482.5678861
0.0001139 -0.0002000 0.0000000		
803: 22 1 22 2 21 1 21 0	482.6290000	482.6289019
0.0000981 -0.0002000 0.0000000		
804: 23 1 22 2 22 1 21 0	483.2236000	483.2235430
0.0000570 -0.0002000 0.0000000		
805: 23 1 23 2 22 1 22 0	483.2965000	483.2965274 -
0.0000274 -0.0002000 0.0000000		
806: 24 1 23 2 23 1 22 0	483.8800000	483.8798763
0.0001237 -0.0002000 0.0000000		
807: 24 1 24 2 23 1 23 0	483.9657000	483.9656222
0.0000778 -0.0002000 0.0000000		
808: 25 1 24 2 24 1 23 0	484.5369000	484.5368960
0.0000040 -0.0002000 0.0000000		
809: 25 1 25 2 24 1 24 0	484.6362000	484.6361940
0.0000060 -0.0002000 0.0000000		
810: 26 1 25 2 25 1 24 0	485.1947000	485.1946126
0.0000874 -0.0002000 0.0000000		
811: 26 1 26 2 25 1 25 0	485.3083000	485.3082510
0.0000490 -0.0002000 0.0000000		
812: 27 1 26 2 26 1 25 0	485.8531000	485.8530375
0.0000625 -0.0002000 0.0000000		
813: 27 1 27 2 26 1 26 0	485.9819000	485.9818016
0.0000984 -0.0002000 0.0000000		
814: 28 1 27 2 27 1 26 0	486.5122000	486.5121826
0.0000174 -0.0002000 0.0000000		
815: 28 1 28 2 27 1 27 0	486.6569000	486.6568549
0.0000451 -0.0002000 0.0000000		
816: 29 1 28 2 28 1 27 0	487.1722000	487.1720608
0.0001392 -0.0002000 0.0000000		
817: 29 1 29 2 28 1 28 0	487.3335000	487.3334197
0.0000803 -0.0002000 0.0000000		
818: 30 1 29 2 29 1 28 0	487.8328000	487.8326855
0.0001145 -0.0002000 0.0000000		
819: 30 1 30 2 29 1 29 0	488.0116000	488.0115058
0.0000942 -0.0002000 0.0000000		
820: 31 1 30 2 30 1 29 0	488.4941000	488.4940711
0.0000289 -0.0002000 0.0000000		
821: 31 1 31 2 30 1 30 0	488.6912000	488.6911228
0.0000772 -0.0002000 0.0000000		
822: 32 1 31 2 31 1 30 0	489.1564000	489.1562327
0.0001673 -0.0002000 0.0000000		
823: 32 1 32 2 31 1 31 0	489.3724000	489.3722807
0.0001193 -0.0002000 0.0000000		
824: 33 1 32 2 32 1 31 0	489.8193000	489.8191863
0.0001137 -0.0002000 0.0000000		
825: 33 1 33 2 32 1 32 0	490.0551000	490.0549900
0.0001100 -0.0002000 0.0000000		
826: 34 1 33 2 33 1 32 0	490.4830000	490.4829487
0.0000513 -0.0002000 0.0000000		
827: 34 1 34 2 33 1 33 0	490.7393000	490.7392611
0.0000389 -0.0002000 0.0000000		
828: 35 1 34 2 34 1 33 0	491.1476000	491.1475375
0.0000625 -0.0002000 0.0000000		
829: 35 1 35 2 34 1 34 0	491.4252000	491.4251050
0.0000950 -0.0002000 0.0000000		
830: 36 1 35 2 35 1 34 0	491.8130000	491.8129714
0.0000286 -0.0002000 0.0000000		

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831: 36 1 36 2 35 1 35 0 0.0001675 -0.0002000 0.0000000	492.1127000	492.1125325
832: 37 1 36 2 36 1 35 0 0.0000304 -0.0002000 0.0000000	492.4793000	492.4792696
833: 37 1 37 2 36 1 36 0 0.0001449 -0.0002000 0.0000000	492.8017000	492.8015551
834: 38 1 37 2 37 1 36 0 0.0000472 -0.0002000 0.0000000	493.1465000	493.1464528
835: 38 1 38 2 37 1 37 0 0.0001161 -0.0002000 0.0000000	493.4923000	493.4921839
836: 39 1 38 2 38 1 37 0 0.0000578 -0.0002000 0.0000000	493.8146000	493.8145422
837: 39 1 39 2 38 1 38 0 0.0001692 -0.0002000 0.0000000	494.1846000	494.1844308
838: 40 1 39 2 39 1 38 0 0.0000398 -0.0002000 0.0000000	494.4836000	494.4835602
839: 40 1 40 2 39 1 39 0 0.0001927 -0.0002000 0.0000000	494.8785000	494.8783073
840: 41 1 40 2 40 1 39 0 0.0000302 -0.0002000 0.0000000	495.1535000	495.1535302 -
841: 41 1 41 2 40 1 40 0 0.0001746 -0.0002000 0.0000000	495.5740000	495.5738254
842: 42 1 41 2 41 1 40 0 0.0000236 -0.0002000 0.0000000	495.8245000	495.8244764
843: 42 1 42 2 41 1 41 0 0.0001029 -0.0002000 0.0000000	496.2711000	496.2709971
844: 43 1 42 2 42 1 41 0 0.0002245 -0.0002000 0.0000000	496.4962000	496.4964245 -
845: 43 1 43 2 42 1 42 0 0.0001656 -0.0002000 0.0000000	496.9700000	496.9698344
846: 44 1 43 2 43 1 42 0 0.0001009 -0.0002000 0.0000000	497.1693000	497.1694009 -
847: 44 1 44 2 43 1 43 0 0.0000504 -0.0002000 0.0000000	497.6704000	497.6703496
848: 45 1 44 2 44 1 43 0 0.0000333 -0.0002000 0.0000000	497.8434000	497.8434333 -
849: 45 1 45 2 44 1 44 0 0.0000451 -0.0002000 0.0000000	498.3726000	498.3725549
850: 46 1 45 2 45 1 44 0 0.0001504 -0.0002000 0.0000000	498.5184000	498.5185504 -
851: 46 1 46 2 45 1 45 0 0.0001374 -0.0002000 0.0000000	499.0766000	499.0764626
852: 47 1 46 2 46 1 45 0 0.0000821 -0.0002000 0.0000000	499.1947000	499.1947821 -
853: 47 1 47 2 46 1 46 0 0.0000150 -0.0002000 0.0000000	499.7821000	499.7820850
854: 48 1 48 2 47 1 47 0 0.0000654 -0.0002000 0.0000000	500.4895000	500.4894346
855: 2 1 1 2 3 1 2 0 0.0001608 -0.0002000 0.0000000	466.3799000	466.3800608 -
856: 2 1 2 2 3 1 3 0 0.0000226 -0.0002000 0.0000000	466.4018000	466.4017774
857: 3 1 2 2 4 1 3 0 0.0001035 -0.0002000 0.0000000	465.7404000	465.7405035 -
858: 3 1 3 2 4 1 4 0 0.0000405 -0.0002000 0.0000000	465.7711000	465.7710595
859: 4 1 3 2 5 1 4 0 0.0000230 -0.0002000 0.0000000	465.1016000	465.1015770
860: 4 1 4 2 5 1 5 0 0.0000727 -0.0002000 0.0000000	465.1417000	465.1417727 -

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861: 5 1 4 2 6 1 5 0	464.4632000	464.4632871 -
0.0000871 -0.0002000 0.0000000		
862: 5 1 5 2 6 1 6 0	464.5139000	464.5139225 -
0.0000225 -0.0002000 0.0000000		
863: 6 1 6 2 7 1 7 0	463.8875000	463.8875150 -
0.0000150 -0.0002000 0.0000000		
864: 7 1 7 2 8 1 8 0	463.2625000	463.2625568 -
0.0000568 -0.0002000 0.0000000		
865: 8 1 7 2 9 1 8 0	462.5522000	462.5523019 -
0.0001019 -0.0002000 0.0000000		
866: 8 1 8 2 9 1 9 0	462.6390000	462.6390550 -
0.0000550 -0.0002000 0.0000000		
867: 9 1 8 2 10 1 9 0	461.9165000	461.9166260 -
0.0001260 -0.0002000 0.0000000		
868: 9 1 9 2 10 1 10 0	462.0170000	462.0170171 -
0.0000171 -0.0002000 0.0000000		
869: 10 1 9 2 11 1 10 0	461.2816000	461.2816231 -
0.0000231 -0.0002000 0.0000000		
870: 10 1 10 2 11 1 11 0	461.3964000	461.3964513 -
0.0000513 -0.0002000 0.0000000		
871: 11 1 10 2 12 1 11 0	460.6473000	460.6473022 -
0.0000022 -0.0002000 0.0000000		
872: 11 1 11 2 12 1 12 0	460.7773000	460.7773661 -
0.0000661 -0.0002000 0.0000000		
873: 12 1 11 2 13 1 12 0	460.0137000	460.0136728
0.0000272 -0.0002000 0.0000000		
874: 12 1 12 2 13 1 13 0	460.1597000	460.1597705 -
0.0000705 -0.0002000 0.0000000		
875: 13 1 12 2 14 1 13 0	459.3807000	459.3807449 -
0.0000449 -0.0002000 0.0000000		
876: 13 1 13 2 14 1 14 0	459.5436000	459.5436739 -
0.0000739 -0.0002000 0.0000000		
877: 14 1 13 2 15 1 14 0	458.7485000	458.7485292 -
0.0000292 -0.0002000 0.0000000		
878: 14 1 14 2 15 1 15 0	458.9291000	458.9290863
0.0000137 -0.0002000 0.0000000		
879: 15 1 14 2 16 1 15 0	458.1170000	458.1170369 -
0.0000369 -0.0002000 0.0000000		
880: 15 1 15 2 16 1 16 0	458.3160000	458.3160180 -
0.0000180 -0.0002000 0.0000000		
881: 16 1 15 2 17 1 16 0	457.4863000	457.4862798
0.0000202 -0.0002000 0.0000000		
882: 16 1 16 2 17 1 17 0	457.7045000	457.7044799
0.0000201 -0.0002000 0.0000000		
883: 17 1 16 2 18 1 17 0	456.8563000	456.8562703
0.0000297 -0.0002000 0.0000000		
884: 17 1 17 2 18 1 18 0	457.0945000	457.0944831
0.0000169 -0.0002000 0.0000000		
885: 18 1 17 2 19 1 18 0	456.2270000	456.2270215 -
0.0000215 -0.0002000 0.0000000		
886: 18 1 18 2 19 1 19 0	456.4861000	456.4860393
0.0000607 -0.0002000 0.0000000		
887: 19 1 18 2 20 1 19 0	455.5986000	455.5985471
0.0000529 -0.0002000 0.0000000		
888: 19 1 19 2 20 1 20 0	455.8791000	455.8791606 -
0.0000606 -0.0002000 0.0000000		
889: 20 1 19 2 21 1 20 0	454.9709000	454.9708615
0.0000385 -0.0002000 0.0000000		
890: 20 1 20 2 21 1 21 0	455.2738000	455.2738594 -
0.0000594 -0.0002000 0.0000000		

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891: 21 1 20 2 22 1 21 0	454.3440000	454.3439796
0.0000204 -0.0002000 0.0000000		
892: 21 1 21 2 22 1 22 0	454.6702000	454.6701485
0.0000515 -0.0002000 0.0000000		
893: 22 1 21 2 23 1 22 0	453.7180000	453.7179172
0.0000828 -0.0002000 0.0000000		
894: 22 1 22 2 23 1 23 0	454.0681000	454.0680411
0.0000589 -0.0002000 0.0000000		
895: 23 1 22 2 24 1 23 0	453.0927000	453.0926906
0.0000094 -0.0002000 0.0000000		
896: 23 1 23 2 24 1 24 0	453.4676000	453.4675508
0.0000492 -0.0002000 0.0000000		
897: 24 1 23 2 25 1 24 0	452.4684000	452.4683170
0.0000830 -0.0002000 0.0000000		
898: 24 1 24 2 25 1 25 0	452.8687000	452.8686913
0.0000087 -0.0002000 0.0000000		
899: 25 1 25 2 26 1 26 0	452.2716000	452.2714769
0.0001231 -0.0002000 0.0000000		
900: 26 1 26 2 27 1 27 0	451.6760000	451.6759222
0.0000778 -0.0002000 0.0000000		
901: 27 1 26 2 28 1 27 0	450.6006000	450.6004959
0.0001041 -0.0002000 0.0000000		
902: 27 1 27 2 28 1 28 0	451.0821000	451.0820419
0.0000581 -0.0002000 0.0000000		
903: 28 1 27 2 29 1 28 0	449.9798000	449.9797200
0.0000800 -0.0002000 0.0000000		
904: 28 1 28 2 29 1 29 0	450.4899000	450.4898511
0.0000489 -0.0002000 0.0000000		
905: 29 1 28 2 30 1 29 0	449.3600000	449.3598939
0.0001061 -0.0002000 0.0000000		
906: 29 1 29 2 30 1 30 0	449.8994000	449.8993652
0.0000348 -0.0002000 0.0000000		
907: 30 1 29 2 31 1 30 0	448.7411000	448.7410394
0.0000606 -0.0002000 0.0000000		
908: 30 1 30 2 31 1 31 0	449.3106000	449.3105999
0.0000001 -0.0002000 0.0000000		
909: 31 1 30 2 32 1 31 0	448.1233000	448.1231792
0.0001208 -0.0002000 0.0000000		
910: 31 1 31 2 32 1 32 0	448.7236000	448.7235709
0.0000291 -0.0002000 0.0000000		
911: 32 1 31 2 33 1 32 0	447.5064000	447.5063367
0.0000633 -0.0002000 0.0000000		
912: 32 1 32 2 33 1 33 0	448.1384000	448.1382943
0.0001057 -0.0002000 0.0000000		
913: 33 1 32 2 34 1 33 0	446.8907000	446.8905363
0.0001637 -0.0002000 0.0000000		
914: 33 1 33 2 34 1 34 0	447.5549000	447.5547865
0.0001135 -0.0002000 0.0000000		
915: 34 1 33 2 35 1 34 0	446.2760000	446.2758034
0.0001966 -0.0002000 0.0000000		
916: 34 1 34 2 35 1 35 0	446.9731000	446.9730638
0.0000362 -0.0002000 0.0000000		
917: 35 1 34 2 36 1 35 0	445.6623000	445.6621642
0.0001358 -0.0002000 0.0000000		
918: 35 1 35 2 36 1 36 0	446.3932000	446.3931429
0.0000571 -0.0002000 0.0000000		
919: 36 1 35 2 37 1 36 0	445.0498000	445.0496459
0.0001541 -0.0002000 0.0000000		
920: 36 1 36 2 37 1 37 0	445.8151000	445.8150405
0.0000595 -0.0002000 0.0000000		

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921: 37 1 36 2 38 1 37 0 0.0001232 -0.0002000 0.0000000	444.4384000	444.4382768
922: 37 1 37 2 38 1 38 0 0.0001264 -0.0002000 0.0000000	445.2389000	445.2387736
923: 38 1 37 2 39 1 38 0 0.0001138 -0.0002000 0.0000000	443.8282000	443.8280862
924: 38 1 38 2 39 1 39 0 0.0001407 -0.0002000 0.0000000	444.6645000	444.6643593
925: 39 1 38 2 40 1 39 0 0.0000041 -0.0002000 0.0000000	443.2191000	443.2191041 -
926: 39 1 39 2 40 1 40 0 0.0000855 -0.0002000 0.0000000	444.0919000	444.0918145
927: 40 1 39 2 41 1 40 0 0.0001379 -0.0002000 0.0000000	442.6115000	442.6113621
928: 40 1 40 2 41 1 41 0 0.0000434 -0.0002000 0.0000000	443.5212000	443.5211566
929: 41 1 40 2 42 1 41 0 0.0000074 -0.0002000 0.0000000	442.0049000	442.0048926
930: 41 1 41 2 42 1 42 0 0.0001973 -0.0002000 0.0000000	442.9526000	442.9524027
931: 42 1 41 2 43 1 42 0 0.0000290 -0.0002000 0.0000000	441.3997000	441.3997290 -
932: 42 1 42 2 43 1 43 0 0.0002297 -0.0002000 0.0000000	442.3858000	442.3855703
933: 43 1 42 2 44 1 43 0 0.0000060 -0.0002000 0.0000000	440.7959000	440.7959060 -
934: 43 1 43 2 44 1 44 0 0.0002233 -0.0002000 0.0000000	441.8209000	441.8206767
935: 44 1 43 2 45 1 44 0 0.0001404 -0.0002000 0.0000000	440.1936000	440.1934596
936: 44 1 44 2 45 1 45 0 0.0000608 -0.0002000 0.0000000	441.2578000	441.2577392
937: 45 1 44 2 46 1 45 0 0.0000267 -0.0002000 0.0000000	439.5924000	439.5924267 -
938: 45 1 45 2 46 1 46 0 0.0000248 -0.0002000 0.0000000	440.6968000	440.6967752
939: 46 1 45 2 47 1 46 0 0.0001456 -0.0002000 0.0000000	438.9927000	438.9928456 -
940: 46 1 46 2 47 1 47 0 0.0000980 -0.0002000 0.0000000	440.1379000	440.1378020
941: 47 1 46 2 48 1 47 0 0.0001558 -0.0002000 0.0000000	438.3946000	438.3947558 -
942: 47 1 47 2 48 1 48 0 0.0001630 -0.0002000 0.0000000	439.5810000	439.5808370
943: 48 1 47 2 49 1 48 0 0.0001980 -0.0002000 0.0000000	437.7980000	437.7981980 -
944: 48 1 48 2 49 1 49 0 0.0001027 -0.0002000 0.0000000	439.0260000	439.0258973
945: 49 1 48 2 50 1 49 0 0.0003143 -0.0002000 0.0000000	437.2029000	437.2032143 -
946: 3 2 1 2 2 2 0 0 0.0002205 -0.0002000 0.0000000	475.1518000	475.1515795
947: 4 2 2 2 3 2 1 0 0.0002108 -0.0002000 0.0000000	475.7940000	475.7937892
948: 5 2 3 2 4 2 2 0 0.0001956 -0.0002000 0.0000000	476.4372000	476.4370044
949: 6 2 4 2 5 2 3 0 0.0002811 -0.0002000 0.0000000	477.0815000	477.0812189
950: 7 2 5 2 6 2 4 0 0.0001754 -0.0002000 0.0000000	477.7266000	477.7264246

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951: 8 2 6 2 7 2 5 0	478.3728000	478.3726119
0.0001881 -0.0002000 0.0000000		
952: 9 2 7 2 8 2 6 0	479.0200000	479.0197697
0.0002303 -0.0002000 0.0000000		
953: 10 2 8 2 9 2 7 0	479.6682000	479.6678850
0.0003150 -0.0002000 0.0000000		
954: 11 2 9 2 10 2 8 0	480.3173000	480.3169434
0.0003566 -0.0002000 0.0000000		
955: 12 2 10 2 11 2 9 0	480.9674000	480.9669289
0.0004711 -0.0002000 0.0000000		
956: 13 2 11 2 12 2 10 0	481.6184000	481.6178239
0.0005761 -0.0002000 0.0000000		
957: 14 2 12 2 13 2 11 0	482.2699000	482.2696092
0.0002908 -0.0002000 0.0000000		
958: 15 2 13 2 14 2 12 0	482.9225000	482.9222639
0.0002361 -0.0002000 0.0000000		
959: 16 2 14 2 15 2 13 0	483.5760000	483.5757657
0.0002343 -0.0002000 0.0000000		
960: 18 2 16 2 17 2 15 0	484.8854000	484.8852136
0.0001864 -0.0002000 0.0000000		
961: 19 2 17 2 18 2 16 0	485.5413000	485.5411073
0.0001927 -0.0002000 0.0000000		
962: 20 2 18 2 19 2 17 0	486.1979000	486.1977436
0.0001564 -0.0002000 0.0000000		
963: 21 2 19 2 20 2 18 0	486.8553000	486.8550925
0.0002075 -0.0002000 0.0000000		
964: 22 2 20 2 21 2 19 0	487.5133000	487.5131230
0.0001770 -0.0002000 0.0000000		
965: 23 2 21 2 22 2 20 0	488.1720000	488.1718024
0.0001976 -0.0002000 0.0000000		
966: 24 2 22 2 23 2 21 0	488.8313000	488.8310970
0.0002030 -0.0002000 0.0000000		
967: 25 2 23 2 24 2 22 0	489.4912000	489.4909717
0.0002283 -0.0002000 0.0000000		
968: 26 2 24 2 25 2 23 0	490.1516000	490.1513903
0.0002097 -0.0002000 0.0000000		
969: 27 2 25 2 26 2 24 0	490.8125000	490.8123157
0.0001843 -0.0002000 0.0000000		
970: 28 2 26 2 27 2 25 0	491.4739000	491.4737096
0.0001904 -0.0002000 0.0000000		
971: 29 2 27 2 28 2 26 0	492.1357000	492.1355329
0.0001671 -0.0002000 0.0000000		
972: 30 2 28 2 29 2 27 0	492.7980000	492.7977460
0.0002540 -0.0002000 0.0000000		
973: 31 2 29 2 30 2 28 0	493.4604000	493.4603082
0.0000918 -0.0002000 0.0000000		
974: 32 2 30 2 31 2 29 0	494.1234000	494.1231787
0.0002213 -0.0002000 0.0000000		
975: 33 2 31 2 32 2 30 0	494.7865000	494.7863163
0.0001837 -0.0002000 0.0000000		
976: 34 2 32 2 33 2 31 0	495.4499000	495.4496794
0.0002206 -0.0002000 0.0000000		
977: 35 2 33 2 34 2 32 0	496.1134000	496.1132266
0.0001734 -0.0002000 0.0000000		
978: 36 2 34 2 35 2 33 0	496.7771000	496.7769164
0.0001836 -0.0002000 0.0000000		
979: 37 2 35 2 36 2 34 0	497.4410000	497.4407079
0.0002921 -0.0002000 0.0000000		
980: 38 2 36 2 37 2 35 0	498.1048000	498.1045605
0.0002395 -0.0002000 0.0000000		



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981: 39 2 37 2 38 2 36 0	498.7687000	498.7684346
0.0002654 -0.0002000 0.0000000		
982: 40 2 38 2 39 2 37 0	499.4325000	499.4322912
0.0002088 -0.0002000 0.0000000		
983: 41 2 39 2 40 2 38 0	500.0963000	500.0960927
0.0002073 -0.0002000 0.0000000		
984: 42 2 40 2 41 2 39 0	500.7600000	500.7598027
0.0001973 -0.0002000 0.0000000		
985: 43 2 41 2 42 2 40 0	501.4239000	501.4233865
0.0005135 -0.0002000 0.0000000		
986: 44 2 42 2 43 2 41 0	502.0871000	502.0868111
0.0002889 -0.0002000 0.0000000		
987: 45 2 43 2 44 2 42 0	502.7503000	502.7500456
0.0002544 -0.0002000 0.0000000		
988: 46 2 44 2 45 2 43 0	503.4133000	503.4130613
0.0002387 -0.0002000 0.0000000		
989: 47 2 45 2 46 2 44 0	504.0762000	504.0758319
0.0003681 -0.0002000 0.0000000		
990: 48 2 46 2 47 2 45 0	504.7387000	504.7383337
0.0003663 -0.0002000 0.0000000		
991: 49 2 47 2 48 2 46 0	505.4010000	505.4005460
0.0004540 -0.0002000 0.0000000		
992: 50 2 48 2 49 2 47 0	506.0628000	506.0624509
0.0003491 -0.0002000 0.0000000		
993: 2 2 0 2 3 2 1 0	471.3199000	471.3195949
0.0003051 -0.0002000 0.0000000		
994: 3 2 1 2 4 2 2 0	470.6847000	470.6844683
0.0002317 -0.0002000 0.0000000		
995: 4 2 2 2 5 2 3 0	470.0506000	470.0503405
0.0002595 -0.0002000 0.0000000		
996: 5 2 3 2 6 2 4 0	469.4176000	469.4172033
0.0003967 -0.0002000 0.0000000		
997: 6 2 4 2 7 2 5 0	468.7854000	468.7850470
0.0003530 -0.0002000 0.0000000		
998: 7 2 5 2 8 2 6 0	468.1544000	468.1538604
0.0005396 -0.0002000 0.0000000		
999: 8 2 6 2 9 2 7 0	467.5241000	467.5236305
0.0004695 -0.0002000 0.0000000		
1000: 9 2 7 2 10 2 8 0	466.8947000	466.8943427
0.0003573 -0.0002000 0.0000000		
1001: 10 2 8 2 11 2 9 0	466.2662000	466.2659810
0.0002190 -0.0002000 0.0000000		
1002: 11 2 9 2 12 2 10 0	465.6387000	465.6385277
0.0001723 -0.0002000 0.0000000		
1003: 12 2 10 2 13 2 11 0	465.0122000	465.0119634
0.0002366 -0.0002000 0.0000000		
1004: 13 2 11 2 14 2 12 0	464.3864000	464.3862675
0.0001325 -0.0002000 0.0000000		
1005: 14 2 12 2 15 2 13 0	463.7616000	463.7614174
0.0001826 -0.0002000 0.0000000		
1006: 15 2 13 2 16 2 14 0	463.1377000	463.1373893
0.0003107 -0.0002000 0.0000000		
1007: 16 2 14 2 17 2 15 0	462.5144000	462.5141578
0.0002422 -0.0002000 0.0000000		
1008: 17 2 15 2 18 2 16 0	461.8919000	461.8916961
0.0002039 -0.0002000 0.0000000		
1009: 18 2 16 2 19 2 17 0	461.2702000	461.2699758
0.0002242 -0.0002000 0.0000000		
1010: 19 2 17 2 20 2 18 0	460.6491000	460.6489672
0.0001328 -0.0002000 0.0000000		

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1011: 20 2 18 2 21 2 19 0	460.0288000	460.0286393
0.0001607 -0.0002000 0.0000000		
1012: 21 2 19 2 22 2 20 0	459.4092000	459.4089599
0.0002401 -0.0002000 0.0000000		
1013: 22 2 20 2 23 2 21 0	458.7901000	458.7898953
0.0002047 -0.0002000 0.0000000		
1014: 23 2 21 2 24 2 22 0	458.1716000	458.1714109
0.0001891 -0.0002000 0.0000000		
1015: 24 2 22 2 25 2 23 0	457.5536000	457.5534710
0.0001290 -0.0002000 0.0000000		
1016: 25 2 23 2 26 2 24 0	456.9362000	456.9360388
0.0001612 -0.0002000 0.0000000		
1017: 26 2 24 2 27 2 25 0	456.3193000	456.3190767
0.0002233 -0.0002000 0.0000000		
1018: 27 2 25 2 28 2 26 0	455.7027000	455.7025463
0.0001537 -0.0002000 0.0000000		
1019: 28 2 26 2 29 2 27 0	455.0866000	455.0864087
0.0001913 -0.0002000 0.0000000		
1020: 29 2 27 2 30 2 28 0	454.4708000	454.4706243
0.0001757 -0.0002000 0.0000000		
1021: 30 2 28 2 31 2 29 0	453.8554000	453.8551534
0.0002466 -0.0002000 0.0000000		
1022: 31 2 29 2 32 2 30 0	453.2402000	453.2399558
0.0002442 -0.0002000 0.0000000		
1023: 32 2 30 2 33 2 31 0	452.6252000	452.6249914
0.0002086 -0.0002000 0.0000000		
1024: 33 2 31 2 34 2 32 0	452.0104000	452.0102203
0.0001797 -0.0002000 0.0000000		
1025: 34 2 32 2 35 2 33 0	451.3958000	451.3956029
0.0001971 -0.0002000 0.0000000		
1026: 35 2 33 2 36 2 34 0	450.7813000	450.7811001
0.0001999 -0.0002000 0.0000000		
1027: 36 2 34 2 37 2 35 0	450.1669000	450.1666735
0.0002265 -0.0002000 0.0000000		
1028: 37 2 35 2 38 2 36 0	449.5525000	449.5522857
0.0002143 -0.0002000 0.0000000		
1029: 38 2 36 2 39 2 37 0	448.9382000	448.9379005
0.0002995 -0.0002000 0.0000000		
1030: 39 2 37 2 40 2 38 0	448.3237000	448.3234832
0.0002168 -0.0002000 0.0000000		
1031: 40 2 38 2 41 2 39 0	447.7093000	447.7090004
0.0002996 -0.0002000 0.0000000		
1032: 41 2 39 2 42 2 40 0	447.0948000	447.0944208
0.0003792 -0.0002000 0.0000000		
1033: 42 2 40 2 43 2 41 0	446.4801000	446.4797152
0.0003848 -0.0002000 0.0000000		
1034: 43 2 41 2 44 2 42 0	445.8652000	445.8648566
0.0003434 -0.0002000 0.0000000		
1035: 44 2 42 2 45 2 43 0	445.2501000	445.2498207
0.0002793 -0.0002000 0.0000000		
1036: 45 2 43 2 46 2 44 0	444.6350000	444.6345858
0.0004142 -0.0002000 0.0000000		
1037: 46 2 44 2 47 2 45 0	444.0194000	444.0191333
0.0002667 -0.0002000 0.0000000		
1038: 47 2 45 2 48 2 46 0	443.4037000	443.4034475
0.0002525 -0.0002000 0.0000000		
1039: 48 2 46 2 49 2 47 0	442.7879000	442.7875165
0.0003835 -0.0002000 0.0000000		
1040: 49 2 47 2 50 2 48 0	442.1718000	442.1713315
0.0004685 -0.0002000 0.0000000		

1041: 50 2 48 2 51 2 49 0	441.5553000	441.5548876
0.0004124 -0.0002000 0.0000000		
1042: 3 2 2 2 2 2 1 0	475.1518000	475.1515698
0.0002302 -0.0002000 0.0000000		
1043: 4 2 3 2 3 2 2 0	475.7940000	475.7937696
0.0002304 -0.0002000 0.0000000		
1044: 5 2 4 2 4 2 3 0	476.4372000	476.4369751
0.0002249 -0.0002000 0.0000000		
1045: 6 2 5 2 5 2 4 0	477.0815000	477.0811845
0.0003155 -0.0002000 0.0000000		
1046: 7 2 6 2 6 2 5 0	477.7266000	477.7263968
0.0002032 -0.0002000 0.0000000		
1047: 8 2 7 2 7 2 6 0	478.3728000	478.3726109
0.0001891 -0.0002000 0.0000000		
1048: 9 2 8 2 8 2 7 0	479.0200000	479.0198264
0.0001736 -0.0002000 0.0000000		
1049: 10 2 9 2 9 2 8 0	479.6682000	479.6680430
0.0001570 -0.0002000 0.0000000		
1050: 11 2 10 2 10 2 9 0	480.3173000	480.3172607
0.0000393 -0.0002000 0.0000000		
1051: 12 2 11 2 11 2 10 0	480.9674000	480.9674800 -
0.0000800 -0.0002000 0.0000000		
1052: 13 2 12 2 12 2 11 0	481.6184000	481.6187017 -
0.0003017 -0.0002000 0.0000000		
1053: 14 2 13 2 13 2 12 0	482.2711000	482.2709267
0.0001733 -0.0002000 0.0000000		
1054: 15 2 14 2 14 2 13 0	482.9244000	482.9241566
0.0002434 -0.0002000 0.0000000		
1055: 16 2 15 2 15 2 14 0	483.5786000	483.5783930
0.0002070 -0.0002000 0.0000000		
1056: 17 2 16 2 16 2 15 0	484.2338000	484.2336381
0.0001619 -0.0002000 0.0000000		
1057: 18 2 17 2 17 2 16 0	484.8901000	484.8898942
0.0002058 -0.0002000 0.0000000		
1058: 19 2 18 2 18 2 17 0	485.5473000	485.5471640
0.0001360 -0.0002000 0.0000000		
1059: 20 2 19 2 19 2 18 0	486.2057000	486.2054507
0.0002493 -0.0002000 0.0000000		
1060: 21 2 20 2 20 2 19 0	486.8650000	486.8647575
0.0002425 -0.0002000 0.0000000		
1061: 22 2 21 2 21 2 20 0	487.5252000	487.5250884
0.0001116 -0.0002000 0.0000000		
1062: 23 2 22 2 22 2 21 0	488.1866000	488.1864473
0.0001527 -0.0002000 0.0000000		
1063: 24 2 23 2 23 2 22 0	488.8490000	488.8488386
0.0001614 -0.0002000 0.0000000		
1064: 25 2 24 2 24 2 23 0	489.5125000	489.5122670
0.0002330 -0.0002000 0.0000000		
1065: 28 2 27 2 27 2 26 0	491.5090000	491.5088278
0.0001722 -0.0002000 0.0000000		
1066: 29 2 28 2 28 2 27 0	492.1766000	492.1764590
0.0001410 -0.0002000 0.0000000		
1067: 30 2 29 2 29 2 28 0	492.8454000	492.8451561
0.0002439 -0.0002000 0.0000000		
1068: 31 2 30 2 30 2 29 0	493.5151000	493.5149258
0.0001742 -0.0002000 0.0000000		
1069: 32 2 31 2 31 2 30 0	494.1859000	494.1857752
0.0001248 -0.0002000 0.0000000		
1070: 33 2 32 2 32 2 31 0	494.8579000	494.8577118
0.0001882 -0.0002000 0.0000000		

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1071: 34 2 33 2 33 2 32 0	495.5309000	495.5307432
0.0001568 -0.0002000 0.0000000		
1072: 35 2 34 2 34 2 33 0	496.2050000	496.2048777
0.0001223 -0.0002000 0.0000000		
1073: 36 2 35 2 35 2 34 0	496.8803000	496.8801235
0.0001765 -0.0002000 0.0000000		
1074: 37 2 36 2 36 2 35 0	497.5566000	497.5564895
0.0001105 -0.0002000 0.0000000		
1075: 38 2 37 2 37 2 36 0	498.2340000	498.2339848
0.0000152 -0.0002000 0.0000000		
1076: 39 2 38 2 38 2 37 0	498.9127000	498.9126187
0.0000813 -0.0002000 0.0000000		
1077: 40 2 39 2 39 2 38 0	499.5924000	499.5924011 -
0.0000011 -0.0002000 0.0000000		
1078: 41 2 40 2 40 2 39 0	500.2735000	500.2733420
0.0001580 -0.0002000 0.0000000		
1079: 42 2 41 2 41 2 40 0	500.9555000	500.9554518
0.0000482 -0.0002000 0.0000000		
1080: 43 2 42 2 42 2 41 0	501.6388000	501.6387413
0.0000587 -0.0002000 0.0000000		
1081: 44 2 43 2 43 2 42 0	502.3232000	502.3232215 -
0.0000215 -0.0002000 0.0000000		
1082: 2 2 1 2 3 2 2 0	471.3199000	471.3196163
0.0002837 -0.0002000 0.0000000		
1083: 3 2 2 2 4 2 3 0	470.6847000	470.6845266
0.0001734 -0.0002000 0.0000000		
1084: 4 2 3 2 5 2 4 0	470.0506000	470.0504667
0.0001333 -0.0002000 0.0000000		
1085: 5 2 4 2 6 2 5 0	469.4176000	469.4174412
0.0001588 -0.0002000 0.0000000		
1086: 6 2 5 2 7 2 6 0	468.7854000	468.7854548 -
0.0000548 -0.0002000 0.0000000		
1087: 7 2 6 2 8 2 7 0	468.1544000	468.1545127 -
0.0001127 -0.0002000 0.0000000		
1088: 8 2 7 2 9 2 8 0	467.5241000	467.5246204 -
0.0005204 -0.0002000 0.0000000		
1089: 9 2 8 2 10 2 9 0	466.8961000	466.8957837
0.0003163 -0.0002000 0.0000000		
1090: 10 2 9 2 11 2 10 0	466.2682000	466.2680088
0.0001912 -0.0002000 0.0000000		
1091: 11 2 10 2 12 2 11 0	465.6415000	465.6413020
0.0001980 -0.0002000 0.0000000		
1092: 12 2 11 2 13 2 12 0	465.0158000	465.0156704
0.0001296 -0.0002000 0.0000000		
1093: 13 2 12 2 14 2 13 0	464.3913000	464.3911208
0.0001792 -0.0002000 0.0000000		
1094: 14 2 13 2 15 2 14 0	463.7679000	463.7676609
0.0002391 -0.0002000 0.0000000		
1095: 15 2 14 2 16 2 15 0	463.1455000	463.1452983
0.0002017 -0.0002000 0.0000000		
1096: 16 2 15 2 17 2 16 0	462.5242000	462.5240413
0.0001587 -0.0002000 0.0000000		
1097: 17 2 16 2 18 2 17 0	461.9041000	461.9038982
0.0002018 -0.0002000 0.0000000		
1098: 18 2 17 2 19 2 18 0	461.2851000	461.2848779
0.0002221 -0.0002000 0.0000000		
1099: 19 2 18 2 20 2 19 0	460.6671000	460.6669893
0.0001107 -0.0002000 0.0000000		
1100: 20 2 19 2 21 2 20 0	460.0504000	460.0502421
0.0001579 -0.0002000 0.0000000		

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1101: 21 2 20 2 22 2 21 0	459.4349000	459.4346459
0.0002541 -0.0002000 0.0000000		
1102: 22 2 21 2 23 2 22 0	458.8204000	458.8202108
0.0001892 -0.0002000 0.0000000		
1103: 23 2 22 2 24 2 23 0	458.2072000	458.2069473
0.0002527 -0.0002000 0.0000000		
1104: 24 2 23 2 25 2 24 0	457.5950000	457.5948661
0.0001339 -0.0002000 0.0000000		
1105: 25 2 24 2 26 2 25 0	456.9841000	456.9839784
0.0001216 -0.0002000 0.0000000		
1106: 26 2 25 2 27 2 26 0	456.3739000	456.3742955 -
0.0003955 -0.0002000 0.0000000		
1107: 27 2 26 2 28 2 27 0	455.7661000	455.7658292
0.0002708 -0.0002000 0.0000000		
1108: 28 2 27 2 29 2 28 0	455.1587000	455.1585915
0.0001085 -0.0002000 0.0000000		
1109: 29 2 28 2 30 2 29 0	454.5528000	454.5525950
0.0002050 -0.0002000 0.0000000		
1110: 30 2 29 2 31 2 30 0	453.9480000	453.9478524
0.0001476 -0.0002000 0.0000000		
1111: 31 2 30 2 32 2 31 0	453.3446000	453.3443767
0.0002233 -0.0002000 0.0000000		
1112: 32 2 31 2 33 2 32 0	452.7423000	452.7421813
0.0001187 -0.0002000 0.0000000		
1113: 33 2 32 2 34 2 33 0	452.1414000	452.1412800
0.0001200 -0.0002000 0.0000000		
1114: 34 2 33 2 35 2 34 0	451.5418000	451.5416868
0.0001132 -0.0002000 0.0000000		
1115: 35 2 34 2 36 2 35 0	450.9435000	450.9434162
0.0000838 -0.0002000 0.0000000		
1116: 36 2 35 2 37 2 36 0	450.3466000	450.3464828
0.0001172 -0.0002000 0.0000000		
1117: 37 2 36 2 38 2 37 0	449.7510000	449.7509018
0.0000982 -0.0002000 0.0000000		
1118: 38 2 37 2 39 2 38 0	449.1568000	449.1566884
0.0001116 -0.0002000 0.0000000		
1119: 39 2 38 2 40 2 39 0	448.5639000	448.5638584
0.0000416 -0.0002000 0.0000000		
1120: 40 2 39 2 41 2 40 0	447.9726000	447.9724278
0.0001722 -0.0002000 0.0000000		
1121: 41 2 40 2 42 2 41 0	447.3825000	447.3824128
0.0000872 -0.0002000 0.0000000		
1122: 42 2 41 2 43 2 42 0	446.7939000	446.7938303
0.0000697 -0.0002000 0.0000000		
1123: 43 2 42 2 44 2 43 0	446.2069000	446.2066971
0.0002029 -0.0002000 0.0000000		
1124: 44 2 43 2 45 2 44 0	445.6211000	445.6210304
0.0000696 -0.0002000 0.0000000		
1125: 45 2 44 2 46 2 45 0	445.0369000	445.0368480
0.0000520 -0.0002000 0.0000000		
1126: 46 2 45 2 47 2 46 0	444.4541000	444.4541677 -
0.0000677 -0.0002000 0.0000000		
1127: 47 2 46 2 48 2 47 0	443.8731000	443.8730076
0.0000924 -0.0002000 0.0000000		
1128: 48 2 47 2 49 2 48 0	443.2933000	443.2933863 -
0.0000863 -0.0002000 0.0000000		
1129: 49 2 48 2 50 2 49 0	442.7152000	442.7153225 -
0.0001225 -0.0002000 0.0000000		
1130: 4 3 1 2 3 3 0 0	482.6480000	482.6477279
0.0002721 -0.0002000 0.0000000	482.6477279	0.0002721 0.5000

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1131:	4	3	2	2	3	3	1	0		482.6480000	482.6477279	
0.0002721	-0.0002000	0.0000000							482.6477279	0.0002721	0.5000	
1132:	5	3	2	2	4	3	1	0		483.2910000	483.2908226	
0.0001774	-0.0002000	0.0000000							483.2908226	0.0001774	0.5000	
1133:	5	3	3	2	4	3	2	0		483.2910000	483.2908226	
0.0001774	-0.0002000	0.0000000							483.2908226	0.0001774	0.5000	
1134:	6	3	3	2	5	3	2	0		483.9351000	483.9349128	
0.0001872	-0.0002000	0.0000000							483.9349128	0.0001872	0.5000	
1135:	6	3	4	2	5	3	3	0		483.9351000	483.9349128	
0.0001872	-0.0002000	0.0000000							483.9349128	0.0001872	0.5000	
1136:	7	3	4	2	6	3	3	0		484.5801000	484.5799953	
0.0001047	-0.0002000	0.0000000							484.5799953	0.0001047	0.5000	
1137:	7	3	5	2	6	3	4	0		484.5801000	484.5799953	
0.0001047	-0.0002000	0.0000000							484.5799953	0.0001047	0.5000	
1138:	8	3	5	2	7	3	4	0		485.2262000	485.2260666	
0.0001334	-0.0002000	0.0000000							485.2260666	0.0001334	0.5000	
1139:	8	3	6	2	7	3	5	0		485.2262000	485.2260666	
0.0001334	-0.0002000	0.0000000							485.2260666	0.0001334	0.5000	
1140:	9	3	6	2	8	3	5	0		485.8733000	485.8731229	
0.0001771	-0.0002000	0.0000000							485.8731229	0.0001771	0.5000	
1141:	9	3	7	2	8	3	6	0		485.8733000	485.8731230	
0.0001770	-0.0002000	0.0000000							485.8731229	0.0001771	0.5000	
1142:	10	3	7	2	9	3	6	0		486.5213000	486.5211600	
0.0001400	-0.0002000	0.0000000							486.5211602	0.0001398	0.5000	
1143:	10	3	8	2	9	3	7	0		486.5213000	486.5211604	
0.0001396	-0.0002000	0.0000000							486.5211602	0.0001398	0.5000	
1144:	11	3	8	2	10	3	7	0		487.1703000	487.1701738	
0.0001262	-0.0002000	0.0000000							487.1701743	0.0001257	0.5000	
1145:	11	3	9	2	10	3	8	0		487.1703000	487.1701748	
0.0001252	-0.0002000	0.0000000							487.1701743	0.0001257	0.5000	
1146:	12	3	9	2	11	3	8	0		487.8203000	487.8201596	
0.0001404	-0.0002000	0.0000000							487.8201606	0.0001394	0.5000	
1147:	12	3	10	2	11	3	9	0		487.8203000	487.8201615	
0.0001385	-0.0002000	0.0000000							487.8201606	0.0001394	0.5000	
1148:	13	3	10	2	12	3	9	0		488.4712000	488.4711125	
0.0000875	-0.0002000	0.0000000							488.4711143	0.0000857	0.5000	
1149:	13	3	11	2	12	3	10	0		488.4712000	488.4711161	
0.0000839	-0.0002000	0.0000000							488.4711143	0.0000857	0.5000	
1150:	14	3	11	2	13	3	10	0		489.1231000	489.1230275	
0.0000725	-0.0002000	0.0000000							489.1230306	0.0000694	0.5000	
1151:	14	3	12	2	13	3	11	0		489.1231000	489.1230337	
0.0000663	-0.0002000	0.0000000							489.1230306	0.0000694	0.5000	
1152:	15	3	12	2	14	3	11	0		489.7760000	489.7758990	
0.0001010	-0.0002000	0.0000000							489.7759040	0.0000960	0.5000	
1153:	15	3	13	2	14	3	12	0		489.7760000	489.7759091	
0.0000909	-0.0002000	0.0000000							489.7759040	0.0000960	0.5000	
1154:	16	3	13	2	15	3	12	0		490.4298000	490.4297213	
0.0000787	-0.0002000	0.0000000							490.4297292	0.0000708	0.5000	
1155:	16	3	14	2	15	3	13	0		490.4298000	490.4297371	
0.0000629	-0.0002000	0.0000000							490.4297292	0.0000708	0.5000	
1156:	17	3	14	2	16	3	13	0		491.0845000	491.0844884	
0.0000116	-0.0002000	0.0000000							491.0845004	-0.0000004	0.5000	
1157:	17	3	15	2	16	3	14	0		491.0845000	491.0845124	-
0.0000124	-0.0002000	0.0000000							491.0845004	-0.0000004	0.5000	
1158:	18	3	15	2	17	3	14	0		491.7402000	491.7401939	
0.0000061	-0.0002000	0.0000000							491.7402115	-0.0000115	0.5000	
1159:	18	3	16	2	17	3	15	0		491.7402000	491.7402292	-
0.0000292	-0.0002000	0.0000000							491.7402115	-0.0000115	0.5000	
1160:	19	3	16	2	18	3	15	0		492.3969000	492.3968310	
0.0000690	-0.0002000	0.0000000							492.3968564	0.0000436	0.5000	



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1191: 34 3 32 2 33 3 31 0 0.0002431 -0.0002000 0.0000000	502.3544000	502.3546431 -
1192: 35 3 32 2 34 3 31 0 0.0002882 -0.0002000 0.0000000	503.0225000	503.0227882 -
1193: 35 3 33 2 34 3 32 0 0.0002889 -0.0002000 0.0000000	503.0251000	503.0253889 -
1194: 36 3 33 2 35 3 32 0 0.0001554 -0.0002000 0.0000000	503.6937000	503.6938554 -
1195: 36 3 34 2 35 3 33 0 0.0004582 -0.0002000 0.0000000	503.6965000	503.6969582 -
1196: 37 3 34 2 36 3 33 0 0.0001615 -0.0002000 0.0000000	504.3655000	504.3656615 -
1197: 37 3 35 2 36 3 34 0 0.0002445 -0.0002000 0.0000000	504.3691000	504.3693445 -
1198: 38 3 35 2 37 3 34 0 0.0001908 -0.0002000 0.0000000	505.0380000	505.0381908 -
1199: 38 3 36 2 37 3 35 0 0.0003413 -0.0002000 0.0000000	505.0422000	505.0425413 -
1200: 39 3 36 2 38 3 35 0 0.0003268 -0.0002000 0.0000000	505.7111000	505.7114268 -
1201: 39 3 37 2 38 3 36 0 0.0003423 -0.0002000 0.0000000	505.7162000	505.7165423 -
1202: 40 3 37 2 39 3 36 0 0.0002524 -0.0002000 0.0000000	506.3851000	506.3853524 -
1203: 40 3 38 2 39 3 37 0 0.0003413 -0.0002000 0.0000000	506.3910000	506.3913413 -
1204: 41 3 38 2 40 3 37 0 0.0002497 -0.0002000 0.0000000	507.0597000	507.0599497 -
1205: 41 3 39 2 40 3 38 0 0.0003322 -0.0002000 0.0000000	507.0666000	507.0669322 -
1206: 42 3 39 2 41 3 38 0 0.0001000 -0.0002000 0.0000000	507.7351000	507.7352000 -
1207: 42 3 40 2 41 3 39 0 0.0003093 -0.0002000 0.0000000	507.7430000	507.7433093 -
1208: 43 3 40 2 42 3 39 0 0.0001839 -0.0002000 0.0000000	508.4109000	508.4110839 -
1209: 43 3 41 2 42 3 40 0 0.0003668 -0.0002000 0.0000000	508.4201000	508.4204668 -
1210: 44 3 41 2 43 3 40 0 0.0001814 -0.0002000 0.0000000	509.0874000	509.0875814 -
1211: 44 3 42 2 43 3 41 0 0.0001994 -0.0002000 0.0000000	509.0982000	509.0983994 -
1212: 45 3 42 2 44 3 41 0 0.0001713 -0.0002000 0.0000000	509.7645000	509.7646713 -
1213: 45 3 43 2 44 3 42 0 0.0002019 -0.0002000 0.0000000	509.7769000	509.7771019 -
1214: 46 3 43 2 45 3 42 0 0.0001320 -0.0002000 0.0000000	510.4422000	510.4423320 -
1215: 46 3 44 2 45 3 43 0 0.0001693 -0.0002000 0.0000000	510.4564000	510.4565693 -
1216: 47 3 44 2 46 3 43 0 0.0001406 -0.0002000 0.0000000	511.1204000	511.1205406 -
1217: 47 3 45 2 46 3 44 0 0.0001971 -0.0002000 0.0000000	511.1366000	511.1367971 -
1218: 48 3 45 2 47 3 44 0 0.0000264 -0.0002000 0.0000000	511.7993000	511.7992736
1219: 48 3 46 2 47 3 45 0 0.0001807 -0.0002000 0.0000000	511.8176000	511.8177807 -
1220: 49 3 46 2 48 3 45 0 0.0001934 -0.0002000 0.0000000	512.4787000	512.4785066



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1221:	49	3	47	2	48	3	46	0		512.4996000	512.4995163
0.0000837	-0.0002000	0.0000000									
1222:	50	3	47	2	49	3	46	0		513.1585000	513.1582142
0.0002858	-0.0002000	0.0000000									
1223:	3	3	0	2	4	3	1	0		477.5392000	477.5391200
0.0000800	-0.0002000	0.0000000							477.5391200	0.0000800	0.5000
1224:	3	3	1	2	4	3	2	0		477.5392000	477.5391200
0.0000800	-0.0002000	0.0000000							477.5391200	0.0000800	0.5000
1225:	4	3	1	2	5	3	2	0		476.9053000	476.9050912
0.0002088	-0.0002000	0.0000000							476.9050912	0.0002088	0.5000
1226:	4	3	2	2	5	3	3	0		476.9053000	476.9050912
0.0002088	-0.0002000	0.0000000							476.9050912	0.0002088	0.5000
1227:	5	3	2	2	6	3	3	0		476.2723000	476.2720768
0.0002232	-0.0002000	0.0000000							476.2720769	0.0002231	0.5000
1228:	5	3	3	2	6	3	4	0		476.2723000	476.2720770
0.0002230	-0.0002000	0.0000000							476.2720769	0.0002231	0.5000
1229:	6	3	3	2	7	3	4	0		475.6402000	475.6400774
0.0001226	-0.0002000	0.0000000							475.6400776	0.0001224	0.5000
1230:	6	3	4	2	7	3	5	0		475.6402000	475.6400778
0.0001222	-0.0002000	0.0000000							475.6400776	0.0001224	0.5000
1231:	7	3	4	2	8	3	5	0		475.0092000	475.0090933
0.0001067	-0.0002000	0.0000000							475.0090937	0.0001063	0.5000
1232:	7	3	5	2	8	3	6	0		475.0092000	475.0090942
0.0001058	-0.0002000	0.0000000							475.0090937	0.0001063	0.5000
1233:	8	3	5	2	9	3	6	0		474.3792000	474.3791244
0.0000756	-0.0002000	0.0000000							474.3791252	0.0000748	0.5000
1234:	8	3	6	2	9	3	7	0		474.3792000	474.3791260
0.0000740	-0.0002000	0.0000000							474.3791252	0.0000748	0.5000
1235:	9	3	6	2	10	3	7	0		473.7503000	473.7501703
0.0001297	-0.0002000	0.0000000							473.7501718	0.0001282	0.5000
1236:	9	3	7	2	10	3	8	0		473.7503000	473.7501733
0.0001267	-0.0002000	0.0000000							473.7501718	0.0001282	0.5000
1237:	10	3	7	2	11	3	8	0		473.1224000	473.1222305
0.0001695	-0.0002000	0.0000000							473.1222331	0.0001669	0.5000
1238:	10	3	8	2	11	3	9	0		473.1224000	473.1222357
0.0001643	-0.0002000	0.0000000							473.1222331	0.0001669	0.5000
1239:	11	3	8	2	12	3	9	0		472.4955000	472.4953041
0.0001959	-0.0002000	0.0000000							472.4953084	0.0001916	0.5000
1240:	11	3	9	2	12	3	10	0		472.4955000	472.4953127
0.0001873	-0.0002000	0.0000000							472.4953084	0.0001916	0.5000
1241:	12	3	9	2	13	3	10	0		471.8695000	471.8693900
0.0001100	-0.0002000	0.0000000							471.8693967	0.0001033	0.5000
1242:	12	3	10	2	13	3	11	0		471.8695000	471.8694034
0.0000966	-0.0002000	0.0000000							471.8693967	0.0001033	0.5000
1243:	13	3	10	2	14	3	11	0		471.2445000	471.2444866
0.0000134	-0.0002000	0.0000000							471.2444969	0.0000031	0.5000
1244:	13	3	11	2	14	3	12	0		471.2445000	471.2445071 -
0.0000071	-0.0002000	0.0000000							471.2444969	0.0000031	0.5000
1245:	14	3	11	2	15	3	12	0		470.6206000	470.6205922
0.0000078	-0.0002000	0.0000000							470.6206073	-0.0000073	0.5000
1246:	14	3	12	2	15	3	13	0		470.6206000	470.6206225 -
0.0000225	-0.0002000	0.0000000							470.6206073	-0.0000073	0.5000
1247:	15	3	12	2	16	3	13	0		469.9977000	469.9977046 -
0.0000046	-0.0002000	0.0000000							469.9977265	-0.0000265	0.5000
1248:	15	3	13	2	16	3	14	0		469.9977000	469.9977484 -
0.0000484	-0.0002000	0.0000000							469.9977265	-0.0000265	0.5000
1249:	16	3	13	2	17	3	14	0		469.3759000	469.3758213
0.0000787	-0.0002000	0.0000000							469.3758524	0.0000476	0.5000
1250:	16	3	14	2	17	3	15	0		469.3759000	469.3758834
0.0000166	-0.0002000	0.0000000							469.3758524	0.0000476	0.5000



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1281: 32 3 29 2 33 3 30 0 0.0001875 -0.0002000 0.0000000	459.5586000	459.5587875 -
1282: 32 3 30 2 33 3 31 0 0.0002433 -0.0002000 0.0000000	459.5614000	459.5616433 -
1283: 33 3 30 2 34 3 31 0 0.0002149 -0.0002000 0.0000000	458.9530000	458.9532149 -
1284: 33 3 31 2 34 3 32 0 0.0002121 -0.0002000 0.0000000	458.9564000	458.9566121 -
1285: 34 3 31 2 35 3 32 0 0.0002294 -0.0002000 0.0000000	458.3483000	458.3485294 -
1286: 34 3 32 2 35 3 33 0 0.0001507 -0.0002000 0.0000000	458.3524000	458.3525507 -
1287: 35 3 32 2 36 3 33 0 0.0002193 -0.0002000 0.0000000	457.7445000	457.7447193 -
1288: 35 3 33 2 36 3 34 0 0.0002572 -0.0002000 0.0000000	457.7492000	457.7494572 -
1289: 36 3 33 2 37 3 34 0 0.0002723 -0.0002000 0.0000000	457.1415000	457.1417723 -
1290: 36 3 34 2 37 3 35 0 0.0002297 -0.0002000 0.0000000	457.1471000	457.1473297 -
1291: 37 3 35 2 38 3 36 0 0.0001666 -0.0002000 0.0000000	456.5460000	456.5461666 -
1292: 38 3 35 2 39 3 36 0 0.0002144 -0.0002000 0.0000000	455.9382000	455.9384144 -
1293: 38 3 36 2 39 3 37 0 0.0002665 -0.0002000 0.0000000	455.9457000	455.9459665 -
1294: 39 3 36 2 40 3 37 0 0.0002751 -0.0002000 0.0000000	455.3377000	455.3379751 -
1295: 39 3 37 2 40 3 38 0 0.0001280 -0.0002000 0.0000000	455.3466000	455.3467280 -
1296: 40 3 37 2 41 3 38 0 0.0003422 -0.0002000 0.0000000	454.7380000	454.7383422 -
1297: 40 3 38 2 41 3 39 0 0.0002502 -0.0002000 0.0000000	454.7482000	454.7484502 -
1298: 41 3 38 2 42 3 39 0 0.0002994 -0.0002000 0.0000000	454.1392000	454.1394994 -
1299: 41 3 39 2 42 3 40 0 0.0003321 -0.0002000 0.0000000	454.1508000	454.1511321 -
1300: 42 3 39 2 43 3 40 0 0.0001297 -0.0002000 0.0000000	453.5413000	453.5414297 -
1301: 42 3 40 2 43 3 41 0 0.0003733 -0.0002000 0.0000000	453.5544000	453.5547733 -
1302: 43 3 40 2 44 3 41 0 0.0002155 -0.0002000 0.0000000	452.9439000	452.9441155 -
1303: 43 3 41 2 44 3 42 0 0.0002734 -0.0002000 0.0000000	452.9591000	452.9593734 -
1304: 44 3 41 2 45 3 42 0 0.0001380 -0.0002000 0.0000000	452.3474000	452.3475380 -
1305: 44 3 42 2 45 3 43 0 0.0003324 -0.0002000 0.0000000	452.3646000	452.3649324 -
1306: 45 3 42 2 46 3 43 0 0.0000775 -0.0002000 0.0000000	451.7516000	451.7516775 -
1307: 45 3 43 2 46 3 44 0 0.0002506 -0.0002000 0.0000000	451.7712000	451.7714506 -
1308: 46 3 43 2 47 3 44 0 0.0001137 -0.0002000 0.0000000	451.1564000	451.1565137 -
1309: 46 3 44 2 47 3 45 0 0.0002287 -0.0002000 0.0000000	451.1787000	451.1789287 -
1310: 47 3 44 2 48 3 45 0 0.0001250 -0.0002000 0.0000000	450.5619000	450.5620250 -

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1311:	47	3	45	2	48	3	46	0		450.5872000	450.5873676	-
0.0001676	-0.0002000	0.0000000										
1312:	48	3	45	2	49	3	46	0		449.9684000	449.9681891	
0.0002109	-0.0002000	0.0000000										
1313:	48	3	46	2	49	3	47	0		449.9967000	449.9967686	-
0.0000686	-0.0002000	0.0000000										
1314:	49	3	46	2	50	3	47	0		449.3750000	449.3749825	
0.0000175	-0.0002000	0.0000000										
1315:	49	3	47	2	50	3	48	0		449.4071000	449.4071335	-
0.0000335	-0.0002000	0.0000000										
1316:	50	3	47	2	51	3	48	0		448.7825000	448.7823808	
0.0001192	-0.0002000	0.0000000										
1317:	50	3	48	2	51	3	49	0		448.8186000	448.8184642	
0.0001358	-0.0002000	0.0000000										
1318:	5	4	1	2	4	4	0	0		491.1784000	491.1785360	-
0.0001360	-0.0002000	0.0000000							491.1785360	-0.0001360	0.5000	
1319:	5	4	2	2	4	4	1	0		491.1784000	491.1785360	-
0.0001360	-0.0002000	0.0000000							491.1785360	-0.0001360	0.5000	
1320:	6	4	2	2	5	4	1	0		491.8224000	491.8224102	-
0.0000102	-0.0002000	0.0000000							491.8224102	-0.0000102	0.5000	
1321:	6	4	3	2	5	4	2	0		491.8224000	491.8224102	-
0.0000102	-0.0002000	0.0000000							491.8224102	-0.0000102	0.5000	
1322:	7	4	3	2	6	4	2	0		492.4671000	492.4672597	-
0.0001597	-0.0002000	0.0000000							492.4672597	-0.0001597	0.5000	
1323:	7	4	4	2	6	4	3	0		492.4671000	492.4672597	-
0.0001597	-0.0002000	0.0000000							492.4672597	-0.0001597	0.5000	
1324:	8	4	4	2	7	4	3	0		493.1130000	493.1130815	-
0.0000815	-0.0002000	0.0000000							493.1130815	-0.0000815	0.5000	
1325:	8	4	5	2	7	4	4	0		493.1130000	493.1130815	-
0.0000815	-0.0002000	0.0000000							493.1130815	-0.0000815	0.5000	
1326:	9	4	5	2	8	4	4	0		493.7597000	493.7598723	-
0.0001723	-0.0002000	0.0000000							493.7598723	-0.0001723	0.5000	
1327:	9	4	6	2	8	4	5	0		493.7597000	493.7598723	-
0.0001723	-0.0002000	0.0000000							493.7598723	-0.0001723	0.5000	
1328:	10	4	6	2	9	4	5	0		494.4075000	494.4076286	-
0.0001286	-0.0002000	0.0000000							494.4076286	-0.0001286	0.5000	
1329:	10	4	7	2	9	4	6	0		494.4075000	494.4076286	-
0.0001286	-0.0002000	0.0000000							494.4076286	-0.0001286	0.5000	
1330:	11	4	7	2	10	4	6	0		495.0562000	495.0563468	-
0.0001468	-0.0002000	0.0000000							495.0563468	-0.0001468	0.5000	
1331:	11	4	8	2	10	4	7	0		495.0562000	495.0563468	-
0.0001468	-0.0002000	0.0000000							495.0563468	-0.0001468	0.5000	
1332:	12	4	8	2	11	4	7	0		495.7059000	495.7060233	-
0.0001233	-0.0002000	0.0000000										
1333:	14	4	10	2	13	4	9	0		497.0080000	497.0082353	-
0.0002353	-0.0002000	0.0000000							497.0082353	-0.0002353	0.5000	
1334:	14	4	11	2	13	4	10	0		497.0080000	497.0082353	-
0.0002353	-0.0002000	0.0000000							497.0082353	-0.0002353	0.5000	
1335:	15	4	11	2	14	4	10	0		497.6606000	497.6607626	-
0.0001626	-0.0002000	0.0000000							497.6607626	-0.0001626	0.5000	
1336:	15	4	12	2	14	4	11	0		497.6606000	497.6607626	-
0.0001626	-0.0002000	0.0000000							497.6607626	-0.0001626	0.5000	
1337:	16	4	12	2	15	4	11	0		498.3140000	498.3142316	-
0.0002316	-0.0002000	0.0000000							498.3142317	-0.0002317	0.5000	
1338:	16	4	13	2	15	4	12	0		498.3140000	498.3142317	-
0.0002317	-0.0002000	0.0000000							498.3142317	-0.0002317	0.5000	
1339:	17	4	13	2	16	4	12	0		498.9684000	498.9686380	-
0.0002380	-0.0002000	0.0000000							498.9686380	-0.0002380	0.5000	
1340:	17	4	14	2	16	4	13	0		498.9684000	498.9686381	-
0.0002381	-0.0002000	0.0000000							498.9686380	-0.0002380	0.5000	

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1341:	18	4	14	2	17	4	13	0		499.6238000	499.6239771	-
0.0001771	-0.0002000	0.0000000							499.6239771	-0.0001771	0.5000	
1342:	18	4	15	2	17	4	14	0		499.6238000	499.6239772	-
0.0001772	-0.0002000	0.0000000							499.6239771	-0.0001771	0.5000	
1343:	19	4	15	2	18	4	14	0		500.2800000	500.2802440	-
0.0002440	-0.0002000	0.0000000							500.2802441	-0.0002441	0.5000	
1344:	19	4	16	2	18	4	15	0		500.2800000	500.2802442	-
0.0002442	-0.0002000	0.0000000							500.2802441	-0.0002441	0.5000	
1345:	20	4	16	2	19	4	15	0		500.9372000	500.9374339	-
0.0002339	-0.0002000	0.0000000							500.9374340	-0.0002340	0.5000	
1346:	20	4	17	2	19	4	16	0		500.9372000	500.9374341	-
0.0002341	-0.0002000	0.0000000							500.9374340	-0.0002340	0.5000	
1347:	21	4	17	2	20	4	16	0		501.5952000	501.5955417	-
0.0003417	-0.0002000	0.0000000							501.5955419	-0.0003419	0.5000	
1348:	21	4	18	2	20	4	17	0		501.5952000	501.5955421	-
0.0003421	-0.0002000	0.0000000							501.5955419	-0.0003419	0.5000	
1349:	22	4	18	2	21	4	17	0		502.2543000	502.2545621	-
0.0002621	-0.0002000	0.0000000							502.2545624	-0.0002624	0.5000	
1350:	22	4	19	2	21	4	18	0		502.2543000	502.2545627	-
0.0002627	-0.0002000	0.0000000							502.2545624	-0.0002624	0.5000	
1351:	23	4	19	2	22	4	18	0		502.9142000	502.9144898	-
0.0002898	-0.0002000	0.0000000							502.9144902	-0.0002902	0.5000	
1352:	23	4	20	2	22	4	19	0		502.9142000	502.9144906	-
0.0002906	-0.0002000	0.0000000							502.9144902	-0.0002902	0.5000	
1353:	24	4	20	2	23	4	19	0		503.5750000	503.5753193	-
0.0003193	-0.0002000	0.0000000							503.5753198	-0.0003198	0.5000	
1354:	24	4	21	2	23	4	20	0		503.5750000	503.5753204	-
0.0003204	-0.0002000	0.0000000							503.5753198	-0.0003198	0.5000	
1355:	25	4	21	2	24	4	20	0		504.2368000	504.2370448	-
0.0002448	-0.0002000	0.0000000							504.2370456	-0.0002456	0.5000	
1356:	25	4	22	2	24	4	21	0		504.2368000	504.2370463	-
0.0002463	-0.0002000	0.0000000							504.2370456	-0.0002456	0.5000	
1357:	26	4	22	2	25	4	21	0		504.8993000	504.8996605	-
0.0003605	-0.0002000	0.0000000							504.8996616	-0.0003616	0.5000	
1358:	26	4	23	2	25	4	22	0		504.8993000	504.8996627	-
0.0003627	-0.0002000	0.0000000							504.8996616	-0.0003616	0.5000	
1359:	27	4	23	2	26	4	22	0		505.5628000	505.5631606	-
0.0003606	-0.0002000	0.0000000							505.5631621	-0.0003621	0.5000	
1360:	27	4	24	2	26	4	23	0		505.5628000	505.5631635	-
0.0003635	-0.0002000	0.0000000							505.5631621	-0.0003621	0.5000	
1361:	28	4	24	2	27	4	23	0		506.2272000	506.2275387	-
0.0003387	-0.0002000	0.0000000							506.2275408	-0.0003408	0.5000	
1362:	28	4	25	2	27	4	24	0		506.2272000	506.2275428	-
0.0003428	-0.0002000	0.0000000							506.2275408	-0.0003408	0.5000	
1363:	29	4	25	2	28	4	24	0		506.8925000	506.8927888	-
0.0002888	-0.0002000	0.0000000							506.8927915	-0.0002915	0.5000	
1364:	29	4	26	2	28	4	25	0		506.8925000	506.8927943	-
0.0002943	-0.0002000	0.0000000							506.8927915	-0.0002915	0.5000	
1365:	30	4	26	2	29	4	25	0		507.5586000	507.5589043	-
0.0003043	-0.0002000	0.0000000							507.5589080	-0.0003080	0.5000	
1366:	30	4	27	2	29	4	26	0		507.5586000	507.5589116	-
0.0003116	-0.0002000	0.0000000							507.5589080	-0.0003080	0.5000	
1367:	31	4	27	2	30	4	26	0		508.2255000	508.2258788	-
0.0003788	-0.0002000	0.0000000							508.2258836	-0.0003836	0.5000	
1368:	31	4	28	2	30	4	27	0		508.2255000	508.2258883	-
0.0003883	-0.0002000	0.0000000							508.2258836	-0.0003836	0.5000	
1369:	32	4	28	2	31	4	27	0		508.8934000	508.8937054	-
0.0003054	-0.0002000	0.0000000							508.8937116	-0.0003116	0.5000	
1370:	32	4	29	2	31	4	28	0		508.8934000	508.8937179	-
0.0003179	-0.0002000	0.0000000							508.8937116	-0.0003116	0.5000	

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1371:	33	4	29	2	32	4	28	0		509.5621000	509.5623774	-
0.0002774	-0.0002000	0.0000000							509.5623854	-0.0002854	0.5000	
1372:	33	4	30	2	32	4	29	0		509.5621000	509.5623935	-
0.0002935	-0.0002000	0.0000000							509.5623854	-0.0002854	0.5000	
1373:	34	4	30	2	33	4	29	0		510.2315000	510.2318877	-
0.0003877	-0.0002000	0.0000000							510.2318980	-0.0003980	0.5000	
1374:	34	4	31	2	33	4	30	0		510.2315000	510.2319083	-
0.0004083	-0.0002000	0.0000000							510.2318980	-0.0003980	0.5000	
1375:	35	4	31	2	34	4	30	0		510.9019000	510.9022291	-
0.0003291	-0.0002000	0.0000000							510.9022422	-0.0003422	0.5000	
1376:	35	4	32	2	34	4	31	0		510.9019000	510.9022553	-
0.0003553	-0.0002000	0.0000000							510.9022422	-0.0003422	0.5000	
1377:	36	4	32	2	35	4	31	0		511.5730000	511.5733943	-
0.0003943	-0.0002000	0.0000000							511.5734109	-0.0004109	0.5000	
1378:	36	4	33	2	35	4	32	0		511.5730000	511.5734274	-
0.0004274	-0.0002000	0.0000000							511.5734109	-0.0004109	0.5000	
1379:	37	4	33	2	36	4	32	0		512.2450000	512.2453759	-
0.0003759	-0.0002000	0.0000000							512.2453967	-0.0003967	0.5000	
1380:	37	4	34	2	36	4	33	0		512.2450000	512.2454175	-
0.0004175	-0.0002000	0.0000000							512.2453967	-0.0003967	0.5000	
1381:	38	4	34	2	37	4	33	0		512.9178000	512.9181662	-
0.0003662	-0.0002000	0.0000000							512.9181921	-0.0003921	0.5000	
1382:	38	4	35	2	37	4	34	0		512.9178000	512.9182180	-
0.0004180	-0.0002000	0.0000000							512.9181921	-0.0003921	0.5000	
1383:	39	4	35	2	38	4	34	0		513.5914000	513.5917574	-
0.0003574	-0.0002000	0.0000000							513.5917895	-0.0003895	0.5000	
1384:	39	4	36	2	38	4	35	0		513.5914000	513.5918216	-
0.0004216	-0.0002000	0.0000000							513.5917895	-0.0003895	0.5000	
1385:	40	4	36	2	39	4	35	0		514.2658000	514.2661416	-
0.0003416	-0.0002000	0.0000000							514.2661812	-0.0003812	0.5000	
1386:	40	4	37	2	39	4	36	0		514.2658000	514.2662208	-
0.0004208	-0.0002000	0.0000000							514.2661812	-0.0003812	0.5000	
1387:	41	4	37	2	40	4	36	0		514.9410000	514.9413106	-
0.0003106	-0.0002000	0.0000000							514.9413592	-0.0003592	0.5000	
1388:	41	4	38	2	40	4	37	0		514.9410000	514.9414077	-
0.0004077	-0.0002000	0.0000000							514.9413592	-0.0003592	0.5000	
1389:	42	4	38	2	41	4	37	0		515.6170000	515.6172563	-
0.0002563	-0.0002000	0.0000000							515.6173155	-0.0003155	0.5000	
1390:	42	4	39	2	41	4	38	0		515.6170000	515.6173747	-
0.0003747	-0.0002000	0.0000000							515.6173155	-0.0003155	0.5000	
1391:	43	4	39	2	42	4	38	0		516.2937000	516.2939701	-
0.0002701	-0.0002000	0.0000000							516.2940419	-0.0003419	0.5000	
1392:	43	4	40	2	42	4	39	0		516.2937000	516.2941137	-
0.0004137	-0.0002000	0.0000000							516.2940419	-0.0003419	0.5000	
1393:	44	4	40	2	43	4	39	0		516.9713000	516.9714434	-
0.0001434	-0.0002000	0.0000000							516.9715302	-0.0002302	0.5000	
1394:	44	4	41	2	43	4	40	0		516.9713000	516.9716170	-
0.0003170	-0.0002000	0.0000000							516.9715302	-0.0002302	0.5000	
1395:	45	4	41	2	44	4	40	0		517.6496000	517.6496675	-
0.0000675	-0.0002000	0.0000000							517.6497719	-0.0001719	0.5000	
1396:	45	4	42	2	44	4	41	0		517.6496000	517.6498763	-
0.0002763	-0.0002000	0.0000000							517.6497719	-0.0001719	0.5000	
1397:	46	4	42	2	45	4	41	0		518.3285000	518.3286334	-
0.0001334	-0.0002000	0.0000000							518.3287584	-0.0002584	0.5000	
1398:	46	4	43	2	45	4	42	0		518.3285000	518.3288834	-
0.0003834	-0.0002000	0.0000000							518.3287584	-0.0002584	0.5000	
1399:	47	4	43	2	46	4	42	0		519.0084000	519.0083320	
0.0000680	-0.0002000	0.0000000							519.0084811	-0.0000811	0.5000	
1400:	47	4	44	2	46	4	43	0		519.0084000	519.0086302	-
0.0002302	-0.0002000	0.0000000							519.0084811	-0.0000811	0.5000	

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1401:	48	4	44	2	47	4	43	0		519.6886000	519.6887539	-
0.0001539	-0.0002000	0.0000000							519.6889311	-0.0003311	0.5000	
1402:	48	4	45	2	47	4	44	0		519.6886000	519.6891083	-
0.0005083	-0.0002000	0.0000000							519.6889311	-0.0003311	0.5000	
1403:	49	4	45	2	48	4	44	0		520.3699000	520.3698896	
0.0000104	-0.0002000	0.0000000							520.3700994	-0.0001994	0.5000	
1404:	49	4	46	2	48	4	45	0		520.3699000	520.3703092	-
0.0004092	-0.0002000	0.0000000							520.3700994	-0.0001994	0.5000	
1405:	50	4	46	2	49	4	45	0		521.0517000	521.0517295	-
0.0000295	-0.0002000	0.0000000							521.0519770	-0.0002770	0.5000	
1406:	50	4	47	2	49	4	46	0		521.0517000	521.0522245	-
0.0005245	-0.0002000	0.0000000							521.0519770	-0.0002770	0.5000	
1407:	51	4	47	2	50	4	46	0		521.7344000	521.7342635	
0.0001365	-0.0002000	0.0000000							521.7345546	-0.0001546	0.5000	
1408:	51	4	48	2	50	4	47	0		521.7344000	521.7348456	-
0.0004456	-0.0002000	0.0000000							521.7345546	-0.0001546	0.5000	
1409:	52	4	48	2	51	4	47	0		522.4177000	522.4174818	
0.0002182	-0.0002000	0.0000000							522.4178228	-0.0001228	0.5000	
1410:	52	4	49	2	51	4	48	0		522.4177000	522.4181639	-
0.0004639	-0.0002000	0.0000000							522.4178228	-0.0001228	0.5000	
1411:	53	4	49	2	52	4	48	0		523.1017000	523.1013738	
0.0003262	-0.0002000	0.0000000							523.1017722	-0.0000722	0.5000	
1412:	53	4	50	2	52	4	49	0		523.1017000	523.1021707	-
0.0004707	-0.0002000	0.0000000							523.1017722	-0.0000722	0.5000	
1413:	54	4	50	2	53	4	49	0		523.7861000	523.7859291	
0.0001709	-0.0002000	0.0000000										
1414:	4	4	0	2	5	4	1	0		484.7939000	484.7940168	-
0.0001168	-0.0002000	0.0000000							484.7940168	-0.0001168	0.5000	
1415:	4	4	1	2	5	4	2	0		484.7939000	484.7940168	-
0.0001168	-0.0002000	0.0000000							484.7940168	-0.0001168	0.5000	
1416:	5	4	1	2	6	4	2	0		484.1609000	484.1610340	-
0.0001340	-0.0002000	0.0000000							484.1610340	-0.0001340	0.5000	
1417:	5	4	2	2	6	4	3	0		484.1609000	484.1610340	-
0.0001340	-0.0002000	0.0000000							484.1610340	-0.0001340	0.5000	
1418:	6	4	2	2	7	4	3	0		483.5288000	483.5290520	-
0.0002520	-0.0002000	0.0000000							483.5290520	-0.0002520	0.5000	
1419:	6	4	3	2	7	4	4	0		483.5288000	483.5290520	-
0.0002520	-0.0002000	0.0000000							483.5290520	-0.0002520	0.5000	
1420:	7	4	3	2	8	4	4	0		482.8979000	482.8980721	-
0.0001721	-0.0002000	0.0000000							482.8980721	-0.0001721	0.5000	
1421:	7	4	4	2	8	4	5	0		482.8979000	482.8980721	-
0.0001721	-0.0002000	0.0000000							482.8980721	-0.0001721	0.5000	
1422:	8	4	4	2	9	4	5	0		482.2680000	482.2680952	-
0.0000952	-0.0002000	0.0000000							482.2680952	-0.0000952	0.5000	
1423:	8	4	5	2	9	4	6	0		482.2680000	482.2680952	-
0.0000952	-0.0002000	0.0000000							482.2680952	-0.0000952	0.5000	
1424:	9	4	5	2	10	4	6	0		481.6390000	481.6391222	-
0.0001222	-0.0002000	0.0000000							481.6391222	-0.0001222	0.5000	
1425:	9	4	6	2	10	4	7	0		481.6390000	481.6391222	-
0.0001222	-0.0002000	0.0000000							481.6391222	-0.0001222	0.5000	
1426:	10	4	6	2	11	4	7	0		481.0110000	481.0111536	-
0.0001536	-0.0002000	0.0000000							481.0111536	-0.0001536	0.5000	
1427:	10	4	7	2	11	4	8	0		481.0110000	481.0111536	-
0.0001536	-0.0002000	0.0000000							481.0111536	-0.0001536	0.5000	
1428:	11	4	7	2	12	4	8	0		480.3840000	480.3841901	-
0.0001901	-0.0002000	0.0000000							480.3841901	-0.0001901	0.5000	
1429:	11	4	8	2	12	4	9	0		480.3840000	480.3841901	-
0.0001901	-0.0002000	0.0000000							480.3841901	-0.0001901	0.5000	
1430:	12	4	8	2	13	4	9	0		479.7581000	479.7582320	-
0.0001320	-0.0002000	0.0000000							479.7582320	-0.0001320	0.5000	

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1431:	12	4	9	2	13	4	10	0		479.7581000	479.7582320	-
0.0001320	-0.0002000	0.0000000							479.7582320	-0.0001320	0.5000	
1432:	13	4	9	2	14	4	10	0		479.1331000	479.1332796	-
0.0001796	-0.0002000	0.0000000							479.1332796	-0.0001796	0.5000	
1433:	13	4	10	2	14	4	11	0		479.1331000	479.1332796	-
0.0001796	-0.0002000	0.0000000							479.1332796	-0.0001796	0.5000	
1434:	14	4	10	2	15	4	11	0		478.5091000	478.5093328	-
0.0002328	-0.0002000	0.0000000							478.5093328	-0.0002328	0.5000	
1435:	14	4	11	2	15	4	12	0		478.5091000	478.5093329	-
0.0002329	-0.0002000	0.0000000							478.5093328	-0.0002328	0.5000	
1436:	15	4	11	2	16	4	12	0		477.8862000	477.8863917	-
0.0001917	-0.0002000	0.0000000							477.8863917	-0.0001917	0.5000	
1437:	15	4	12	2	16	4	13	0		477.8862000	477.8863918	-
0.0001918	-0.0002000	0.0000000							477.8863917	-0.0001917	0.5000	
1438:	16	4	12	2	17	4	13	0		477.2642000	477.2644559	-
0.0002559	-0.0002000	0.0000000							477.2644560	-0.0002560	0.5000	
1439:	16	4	13	2	17	4	14	0		477.2642000	477.2644561	-
0.0002561	-0.0002000	0.0000000							477.2644560	-0.0002560	0.5000	
1440:	17	4	13	2	18	4	14	0		476.6433000	476.6435252	-
0.0002252	-0.0002000	0.0000000							476.6435253	-0.0002253	0.5000	
1441:	17	4	14	2	18	4	15	0		476.6433000	476.6435254	-
0.0002254	-0.0002000	0.0000000							476.6435253	-0.0002253	0.5000	
1442:	18	4	14	2	19	4	15	0		476.0234000	476.0235989	-
0.0001989	-0.0002000	0.0000000							476.0235991	-0.0001991	0.5000	
1443:	18	4	15	2	19	4	16	0		476.0234000	476.0235993	-
0.0001993	-0.0002000	0.0000000							476.0235991	-0.0001991	0.5000	
1444:	19	4	15	2	20	4	16	0		475.4044000	475.4046765	-
0.0002765	-0.0002000	0.0000000							475.4046767	-0.0002767	0.5000	
1445:	19	4	16	2	20	4	17	0		475.4044000	475.4046770	-
0.0002770	-0.0002000	0.0000000							475.4046767	-0.0002767	0.5000	
1446:	20	4	16	2	21	4	17	0		474.7865000	474.7867570	-
0.0002570	-0.0002000	0.0000000							474.7867574	-0.0002574	0.5000	
1447:	20	4	17	2	21	4	18	0		474.7865000	474.7867577	-
0.0002577	-0.0002000	0.0000000							474.7867574	-0.0002574	0.5000	
1448:	21	4	17	2	22	4	18	0		474.1696000	474.1698395	-
0.0002395	-0.0002000	0.0000000							474.1698400	-0.0002400	0.5000	
1449:	21	4	18	2	22	4	19	0		474.1696000	474.1698406	-
0.0002406	-0.0002000	0.0000000							474.1698400	-0.0002400	0.5000	
1450:	22	4	18	2	23	4	19	0		473.5536000	473.5539228	-
0.0003228	-0.0002000	0.0000000							473.5539236	-0.0003236	0.5000	
1451:	22	4	19	2	23	4	20	0		473.5536000	473.5539244	-
0.0003244	-0.0002000	0.0000000							473.5539236	-0.0003236	0.5000	
1452:	23	4	19	2	24	4	20	0		472.9387000	472.9390058	-
0.0003058	-0.0002000	0.0000000							472.9390068	-0.0003068	0.5000	
1453:	23	4	20	2	24	4	21	0		472.9387000	472.9390079	-
0.0003079	-0.0002000	0.0000000							472.9390068	-0.0003068	0.5000	
1454:	24	4	20	2	25	4	21	0		472.3248000	472.3250869	-
0.0002869	-0.0002000	0.0000000							472.3250883	-0.0002883	0.5000	
1455:	24	4	21	2	25	4	22	0		472.3248000	472.3250898	-
0.0002898	-0.0002000	0.0000000							472.3250883	-0.0002883	0.5000	
1456:	25	4	21	2	26	4	22	0		471.7118000	471.7121645	-
0.0003645	-0.0002000	0.0000000							471.7121665	-0.0003665	0.5000	
1457:	25	4	22	2	26	4	23	0		471.7118000	471.7121685	-
0.0003685	-0.0002000	0.0000000							471.7121665	-0.0003665	0.5000	
1458:	26	4	22	2	27	4	23	0		471.0999000	471.1002370	-
0.0003370	-0.0002000	0.0000000							471.1002397	-0.0003397	0.5000	
1459:	26	4	23	2	27	4	24	0		471.0999000	471.1002424	-
0.0003424	-0.0002000	0.0000000							471.1002397	-0.0003397	0.5000	
1460:	27	4	23	2	28	4	24	0		470.4890000	470.4893025	-
0.0003025	-0.0002000	0.0000000							470.4893061	-0.0003061	0.5000	



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1461:	27	4	24	2	28	4	25	0		470.4890000	470.4893097	-
0.0003097	-0.0002000	0.0000000							470.4893061	-0.0003061	0.5000	
1462:	28	4	24	2	29	4	25	0		469.8790000	469.8793589	-
0.0003589	-0.0002000	0.0000000							469.8793636	-0.0003636	0.5000	
1463:	28	4	25	2	29	4	26	0		469.8790000	469.8793683	-
0.0003683	-0.0002000	0.0000000							469.8793636	-0.0003636	0.5000	
1464:	29	4	25	2	30	4	26	0		469.2701000	469.2704041	-
0.0003041	-0.0002000	0.0000000							469.2704102	-0.0003102	0.5000	
1465:	29	4	26	2	30	4	27	0		469.2701000	469.2704164	-
0.0003164	-0.0002000	0.0000000							469.2704102	-0.0003102	0.5000	
1466:	30	4	26	2	31	4	27	0		468.6621000	468.6624357	-
0.0003357	-0.0002000	0.0000000							468.6624436	-0.0003436	0.5000	
1467:	30	4	27	2	31	4	28	0		468.6621000	468.6624516	-
0.0003516	-0.0002000	0.0000000							468.6624436	-0.0003436	0.5000	
1468:	31	4	27	2	32	4	28	0		468.0551000	468.0554512	-
0.0003512	-0.0002000	0.0000000							468.0554614	-0.0003614	0.5000	
1469:	31	4	28	2	32	4	29	0		468.0551000	468.0554716	-
0.0003716	-0.0002000	0.0000000							468.0554614	-0.0003614	0.5000	
1470:	32	4	28	2	33	4	29	0		467.4491000	467.4494481	-
0.0003481	-0.0002000	0.0000000							467.4494611	-0.0003611	0.5000	
1471:	32	4	29	2	33	4	30	0		467.4491000	467.4494740	-
0.0003740	-0.0002000	0.0000000							467.4494611	-0.0003611	0.5000	
1472:	33	4	29	2	34	4	30	0		466.8441000	466.8444235	-
0.0003235	-0.0002000	0.0000000							466.8444398	-0.0003398	0.5000	
1473:	33	4	30	2	34	4	31	0		466.8441000	466.8444562	-
0.0003562	-0.0002000	0.0000000							466.8444398	-0.0003398	0.5000	
1474:	34	4	30	2	35	4	31	0		466.2400000	466.2403744	-
0.0003744	-0.0002000	0.0000000							466.2403950	-0.0003950	0.5000	
1475:	34	4	31	2	35	4	32	0		466.2400000	466.2404155	-
0.0004155	-0.0002000	0.0000000							466.2403950	-0.0003950	0.5000	
1476:	35	4	31	2	36	4	32	0		465.6370000	465.6372978	-
0.0002978	-0.0002000	0.0000000							465.6373234	-0.0003234	0.5000	
1477:	35	4	32	2	36	4	33	0		465.6370000	465.6373491	-
0.0003491	-0.0002000	0.0000000							465.6373234	-0.0003234	0.5000	
1478:	36	4	32	2	37	4	33	0		465.0349000	465.0351904	-
0.0002904	-0.0002000	0.0000000							465.0352222	-0.0003222	0.5000	
1479:	36	4	33	2	37	4	34	0		465.0349000	465.0352540	-
0.0003540	-0.0002000	0.0000000							465.0352222	-0.0003222	0.5000	
1480:	37	4	33	2	38	4	34	0		464.4338000	464.4340488	-
0.0002488	-0.0002000	0.0000000							464.4340880	-0.0002880	0.5000	
1481:	37	4	34	2	38	4	35	0		464.4338000	464.4341271	-
0.0003271	-0.0002000	0.0000000							464.4340880	-0.0002880	0.5000	
1482:	38	4	34	2	39	4	35	0		463.8336000	463.8338693	-
0.0002693	-0.0002000	0.0000000							463.8339174	-0.0003174	0.5000	
1483:	38	4	35	2	39	4	36	0		463.8336000	463.8339654	-
0.0003654	-0.0002000	0.0000000							463.8339174	-0.0003174	0.5000	
1484:	39	4	35	2	40	4	36	0		463.2344000	463.2346483	-
0.0002483	-0.0002000	0.0000000							463.2347069	-0.0003069	0.5000	
1485:	39	4	36	2	40	4	37	0		463.2344000	463.2347655	-
0.0003655	-0.0002000	0.0000000							463.2347069	-0.0003069	0.5000	
1486:	40	4	36	2	41	4	37	0		462.6361000	462.6363818	-
0.0002818	-0.0002000	0.0000000							462.6364530	-0.0003530	0.5000	
1487:	40	4	37	2	41	4	38	0		462.6361000	462.6365241	-
0.0004241	-0.0002000	0.0000000							462.6364530	-0.0003530	0.5000	
1488:	41	4	37	2	42	4	38	0		462.0389000	462.0390658	-
0.0001658	-0.0002000	0.0000000							462.0391517	-0.0002517	0.5000	
1489:	41	4	38	2	42	4	39	0		462.0389000	462.0392376	-
0.0003376	-0.0002000	0.0000000							462.0391517	-0.0002517	0.5000	
1490:	42	4	38	2	43	4	39	0		461.4425000	461.4426959	-
0.0001959	-0.0002000	0.0000000							461.4427992	-0.0002992	0.5000	

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1491:	42	4	39	2	43	4	40	0		461.4425000	461.4429026	-
0.0004026	-0.0002000	0.0000000							461.4427992	-0.0002992	0.5000	
1492:	43	4	39	2	44	4	40	0		460.8470000	460.8472676	-
0.0002676	-0.0002000	0.0000000							460.8473915	-0.0003915	0.5000	
1493:	43	4	40	2	44	4	41	0		460.8470000	460.8475153	-
0.0005153	-0.0002000	0.0000000							460.8473915	-0.0003915	0.5000	
1494:	44	4	40	2	45	4	41	0		460.2526000	460.2527765	-
0.0001765	-0.0002000	0.0000000							460.2529242	-0.0003242	0.5000	
1495:	44	4	41	2	45	4	42	0		460.2526000	460.2530719	-
0.0004719	-0.0002000	0.0000000							460.2529242	-0.0003242	0.5000	
1496:	45	4	41	2	46	4	42	0		459.6592000	459.6592177	-
0.0000177	-0.0002000	0.0000000							459.6593932	-0.0001932	0.5000	
1497:	45	4	42	2	46	4	43	0		459.6592000	459.6595688	-
0.0003688	-0.0002000	0.0000000							459.6593932	-0.0001932	0.5000	
1498:	46	4	42	2	47	4	43	0		459.0665000	459.0665861	-
0.0000861	-0.0002000	0.0000000							459.0667940	-0.0002940	0.5000	
1499:	46	4	43	2	47	4	44	0		459.0665000	459.0670018	-
0.0005018	-0.0002000	0.0000000							459.0667940	-0.0002940	0.5000	
1500:	47	4	43	2	48	4	44	0		458.4749000	458.4748767	
0.0000233	-0.0002000	0.0000000							458.4751219	-0.0002219	0.5000	
1501:	47	4	44	2	48	4	45	0		458.4749000	458.4753671	-
0.0004671	-0.0002000	0.0000000							458.4751219	-0.0002219	0.5000	
1502:	48	4	44	2	49	4	45	0		457.8841000	457.8840839	
0.0000161	-0.0002000	0.0000000							457.8843722	-0.0002722	0.5000	
1503:	48	4	45	2	49	4	46	0		457.8841000	457.8846606	-
0.0005606	-0.0002000	0.0000000							457.8843722	-0.0002722	0.5000	
1504:	49	4	45	2	50	4	46	0		457.2944000	457.2942022	
0.0001978	-0.0002000	0.0000000							457.2945402	-0.0001402	0.5000	
1505:	49	4	46	2	50	4	47	0		457.2944000	457.2948782	-
0.0004782	-0.0002000	0.0000000							457.2945402	-0.0001402	0.5000	
1506:	50	4	46	2	51	4	47	0		456.7055000	456.7052258	
0.0002742	-0.0002000	0.0000000							456.7056207	-0.0001207	0.5000	
1507:	50	4	47	2	51	4	48	0		456.7055000	456.7060156	-
0.0005156	-0.0002000	0.0000000							456.7056207	-0.0001207	0.5000	
1508:	51	4	47	2	52	4	48	0		456.1173000	456.1171487	
0.0001513	-0.0002000	0.0000000							456.1176087	-0.0003087	0.5000	
1509:	51	4	48	2	52	4	49	0		456.1173000	456.1180687	-
0.0007687	-0.0002000	0.0000000							456.1176087	-0.0003087	0.5000	
1510:	52	4	48	2	53	4	49	0		455.5300000	455.5299647	
0.0000353	-0.0002000	0.0000000							455.5304990	-0.0004990	0.5000	
1511:	52	4	49	2	53	4	50	0		455.5300000	455.5310333	-
0.0010333	-0.0002000	0.0000000							455.5304990	-0.0004990	0.5000	
1512:	53	4	49	2	54	4	50	0		454.9434000	454.9436672	-
0.0002672	-0.0002000	0.0000000										
1513:	6	5	1	2	5	5	0	0		500.2120000	500.2120471	-
0.0000471	-0.0002000	0.0000000							500.2120471	-0.0000471	0.5000	
1514:	6	5	2	2	5	5	1	0		500.2120000	500.2120471	-
0.0000471	-0.0002000	0.0000000							500.2120471	-0.0000471	0.5000	
1515:	7	5	2	2	6	5	1	0		500.8564000	500.8565660	-
0.0001660	-0.0002000	0.0000000							500.8565660	-0.0001660	0.5000	
1516:	7	5	3	2	6	5	2	0		500.8564000	500.8565660	-
0.0001660	-0.0002000	0.0000000							500.8565660	-0.0001660	0.5000	
1517:	8	5	3	2	7	5	2	0		501.5019000	501.5020313	-
0.0001313	-0.0002000	0.0000000							501.5020313	-0.0001313	0.5000	
1518:	8	5	4	2	7	5	3	0		501.5019000	501.5020313	-
0.0001313	-0.0002000	0.0000000							501.5020313	-0.0001313	0.5000	
1519:	9	5	4	2	8	5	3	0		502.1483000	502.1484398	-
0.0001398	-0.0002000	0.0000000							502.1484398	-0.0001398	0.5000	
1520:	9	5	5	2	8	5	4	0		502.1483000	502.1484398	-
0.0001398	-0.0002000	0.0000000							502.1484398	-0.0001398	0.5000	

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1521:	10	5	5	2	9	5	4	0		502.7956000	502.7957885	-
0.0001885	-0.0002000	0.0000000							502.7957885	-0.0001885	0.5000	
1522:	10	5	6	2	9	5	5	0		502.7956000	502.7957885	-
0.0001885	-0.0002000	0.0000000							502.7957885	-0.0001885	0.5000	
1523:	11	5	6	2	10	5	5	0		503.44439000	503.4440741	-
0.0001741	-0.0002000	0.0000000							503.4440741	-0.0001741	0.5000	
1524:	11	5	7	2	10	5	6	0		503.44439000	503.4440741	-
0.0001741	-0.0002000	0.0000000							503.4440741	-0.0001741	0.5000	
1525:	12	5	7	2	11	5	6	0		504.0931000	504.0932933	-
0.0001933	-0.0002000	0.0000000							504.0932933	-0.0001933	0.5000	
1526:	12	5	8	2	11	5	7	0		504.0931000	504.0932933	-
0.0001933	-0.0002000	0.0000000							504.0932933	-0.0001933	0.5000	
1527:	13	5	8	2	12	5	7	0		504.7433000	504.7434425	-
0.0001425	-0.0002000	0.0000000							504.7434425	-0.0001425	0.5000	
1528:	13	5	9	2	12	5	8	0		504.7433000	504.7434425	-
0.0001425	-0.0002000	0.0000000							504.7434425	-0.0001425	0.5000	
1529:	14	5	9	2	13	5	8	0		505.3944000	505.3945183	-
0.0001183	-0.0002000	0.0000000							505.3945183	-0.0001183	0.5000	
1530:	14	5	10	2	13	5	9	0		505.3944000	505.3945183	-
0.0001183	-0.0002000	0.0000000							505.3945183	-0.0001183	0.5000	
1531:	15	5	10	2	14	5	9	0		506.0464000	506.0465168	-
0.0001168	-0.0002000	0.0000000							506.0465168	-0.0001168	0.5000	
1532:	15	5	11	2	14	5	10	0		506.0464000	506.0465168	-
0.0001168	-0.0002000	0.0000000							506.0465168	-0.0001168	0.5000	
1533:	16	5	11	2	15	5	10	0		506.6993000	506.6994345	-
0.0001345	-0.0002000	0.0000000							506.6994345	-0.0001345	0.5000	
1534:	16	5	12	2	15	5	11	0		506.6993000	506.6994345	-
0.0001345	-0.0002000	0.0000000							506.6994345	-0.0001345	0.5000	
1535:	17	5	12	2	16	5	11	0		507.3531000	507.3532672	-
0.0001672	-0.0002000	0.0000000							507.3532672	-0.0001672	0.5000	
1536:	17	5	13	2	16	5	12	0		507.3531000	507.3532672	-
0.0001672	-0.0002000	0.0000000							507.3532672	-0.0001672	0.5000	
1537:	18	5	13	2	17	5	12	0		508.0079000	508.0080112	-
0.0001112	-0.0002000	0.0000000							508.0080112	-0.0001112	0.5000	
1538:	18	5	14	2	17	5	13	0		508.0079000	508.0080112	-
0.0001112	-0.0002000	0.0000000							508.0080112	-0.0001112	0.5000	
1539:	19	5	14	2	18	5	13	0		508.6635000	508.6636622	-
0.0001622	-0.0002000	0.0000000							508.6636622	-0.0001622	0.5000	
1540:	19	5	15	2	18	5	14	0		508.6635000	508.6636622	-
0.0001622	-0.0002000	0.0000000							508.6636622	-0.0001622	0.5000	
1541:	20	5	15	2	19	5	14	0		509.3200000	509.3202160	-
0.0002160	-0.0002000	0.0000000							509.3202160	-0.0002160	0.5000	
1542:	20	5	16	2	19	5	15	0		509.3200000	509.3202160	-
0.0002160	-0.0002000	0.0000000							509.3202160	-0.0002160	0.5000	
1543:	21	5	16	2	20	5	15	0		509.9775000	509.9776684	-
0.0001684	-0.0002000	0.0000000							509.9776684	-0.0001684	0.5000	
1544:	21	5	17	2	20	5	16	0		509.9775000	509.9776684	-
0.0001684	-0.0002000	0.0000000							509.9776684	-0.0001684	0.5000	
1545:	22	5	17	2	21	5	16	0		510.6358000	510.6360149	-
0.0002149	-0.0002000	0.0000000							510.6360149	-0.0002149	0.5000	
1546:	22	5	18	2	21	5	17	0		510.6358000	510.6360149	-
0.0002149	-0.0002000	0.0000000							510.6360149	-0.0002149	0.5000	
1547:	23	5	18	2	22	5	17	0		511.2951000	511.2952510	-
0.0001510	-0.0002000	0.0000000							511.2952510	-0.0001510	0.5000	
1548:	23	5	19	2	22	5	18	0		511.2951000	511.2952510	-
0.0001510	-0.0002000	0.0000000							511.2952510	-0.0001510	0.5000	
1549:	24	5	19	2	23	5	18	0		511.9552000	511.9553721	-
0.0001721	-0.0002000	0.0000000							511.9553721	-0.0001721	0.5000	
1550:	24	5	20	2	23	5	19	0		511.9552000	511.9553721	-
0.0001721	-0.0002000	0.0000000							511.9553721	-0.0001721	0.5000	

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1551:	25	5	20	2	24	5	19	0		512.6162000	512.6163734	-
0.0001734	-0.0002000	0.0000000							512.6163734	-0.0001734	0.5000	
1552:	25	5	21	2	24	5	20	0		512.6162000	512.6163734	-
0.0001734	-0.0002000	0.0000000							512.6163734	-0.0001734	0.5000	
1553:	26	5	21	2	25	5	20	0		513.2781000	513.2782501	-
0.0001501	-0.0002000	0.0000000							513.2782501	-0.0001501	0.5000	
1554:	26	5	22	2	25	5	21	0		513.2781000	513.2782501	-
0.0001501	-0.0002000	0.0000000							513.2782501	-0.0001501	0.5000	
1555:	27	5	22	2	26	5	21	0		513.9408000	513.9409973	-
0.0001973	-0.0002000	0.0000000							513.9409973	-0.0001973	0.5000	
1556:	27	5	23	2	26	5	22	0		513.9408000	513.9409973	-
0.0001973	-0.0002000	0.0000000							513.9409973	-0.0001973	0.5000	
1557:	28	5	23	2	27	5	22	0		514.6044000	514.6046099	-
0.0002099	-0.0002000	0.0000000							514.6046100	-0.0002100	0.5000	
1558:	28	5	24	2	27	5	23	0		514.6044000	514.6046100	-
0.0002100	-0.0002000	0.0000000							514.6046100	-0.0002100	0.5000	
1559:	29	5	24	2	28	5	23	0		515.2689000	515.2690829	-
0.0001829	-0.0002000	0.0000000							515.2690829	-0.0001829	0.5000	
1560:	29	5	25	2	28	5	24	0		515.2689000	515.2690829	-
0.0001829	-0.0002000	0.0000000							515.2690829	-0.0001829	0.5000	
1561:	30	5	25	2	29	5	24	0		515.9342000	515.9344109	-
0.0002109	-0.0002000	0.0000000							515.9344110	-0.0002110	0.5000	
1562:	30	5	26	2	29	5	25	0		515.9342000	515.9344110	-
0.0002110	-0.0002000	0.0000000							515.9344110	-0.0002110	0.5000	
1563:	31	5	26	2	30	5	25	0		516.6005000	516.6005887	-
0.0000887	-0.0002000	0.0000000							516.6005887	-0.0000887	0.5000	
1564:	31	5	27	2	30	5	26	0		516.6005000	516.6005888	-
0.0000888	-0.0002000	0.0000000							516.6005887	-0.0000887	0.5000	
1565:	32	5	27	2	31	5	26	0		517.2675000	517.2676108	-
0.0001108	-0.0002000	0.0000000							517.2676108	-0.0001108	0.5000	
1566:	32	5	28	2	31	5	27	0		517.2675000	517.2676109	-
0.0001109	-0.0002000	0.0000000							517.2676108	-0.0001108	0.5000	
1567:	33	5	28	2	32	5	27	0		517.9353000	517.9354717	-
0.0001717	-0.0002000	0.0000000							517.9354717	-0.0001717	0.5000	
1568:	33	5	29	2	32	5	28	0		517.9353000	517.9354717	-
0.0001717	-0.0002000	0.0000000							517.9354717	-0.0001717	0.5000	
1569:	34	5	29	2	33	5	28	0		518.6040000	518.6041657	-
0.0001657	-0.0002000	0.0000000							518.6041657	-0.0001657	0.5000	
1570:	34	5	30	2	33	5	29	0		518.6040000	518.6041658	-
0.0001658	-0.0002000	0.0000000							518.6041657	-0.0001657	0.5000	
1571:	35	5	30	2	34	5	29	0		519.2736000	519.2736871	-
0.0000871	-0.0002000	0.0000000							519.2736871	-0.0000871	0.5000	
1572:	35	5	31	2	34	5	30	0		519.2736000	519.2736872	-
0.0000872	-0.0002000	0.0000000							519.2736871	-0.0000871	0.5000	
1573:	36	5	31	2	35	5	30	0		519.9439000	519.9440300	-
0.0001300	-0.0002000	0.0000000							519.9440301	-0.0001301	0.5000	
1574:	36	5	32	2	35	5	31	0		519.9439000	519.9440302	-
0.0001302	-0.0002000	0.0000000							519.9440301	-0.0001301	0.5000	
1575:	37	5	32	2	36	5	31	0		520.6151000	520.6151887	-
0.0000887	-0.0002000	0.0000000							520.6151888	-0.0000888	0.5000	
1576:	37	5	33	2	36	5	32	0		520.6151000	520.6151889	-
0.0000889	-0.0002000	0.0000000							520.6151888	-0.0000888	0.5000	
1577:	38	5	33	2	37	5	32	0		521.2869000	521.2871570	-
0.0002570	-0.0002000	0.0000000							521.2871571	-0.0002571	0.5000	
1578:	38	5	34	2	37	5	33	0		521.2869000	521.2871573	-
0.0002573	-0.0002000	0.0000000							521.2871571	-0.0002571	0.5000	
1579:	39	5	34	2	38	5	33	0		521.9598000	521.9599288	-
0.0001288	-0.0002000	0.0000000							521.9599290	-0.0001290	0.5000	
1580:	39	5	35	2	38	5	34	0		521.9598000	521.9599292	-
0.0001292	-0.0002000	0.0000000							521.9599290	-0.0001290	0.5000	

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1581: 40 5 35 2 39 5 34 0	522.6334000	522.6334979	-
0.0000979 -0.0002000 0.0000000	522.6334982	-0.0000982	0.5000
1582: 40 5 36 2 39 5 35 0	522.6334000	522.6334985	-
0.0000985 -0.0002000 0.0000000	522.6334982	-0.0000982	0.5000
1583: 41 5 36 2 40 5 35 0	523.3078000	523.3078581	-
0.0000581 -0.0002000 0.0000000	523.3078584	-0.0000584	0.5000
1584: 41 5 37 2 40 5 36 0	523.3078000	523.3078588	-
0.0000588 -0.0002000 0.0000000	523.3078584	-0.0000584	0.5000
1585: 42 5 37 2 41 5 36 0	523.9829000	523.9830028	-
0.0001028 -0.0002000 0.0000000	523.9830032	-0.0001032	0.5000
1586: 42 5 38 2 41 5 37 0	523.9829000	523.9830037	-
0.0001037 -0.0002000 0.0000000	523.9830032	-0.0001032	0.5000
1587: 43 5 38 2 42 5 37 0	524.6589000	524.6589257	-
0.0000257 -0.0002000 0.0000000	524.6589262	-0.0000262	0.5000
1588: 43 5 39 2 42 5 38 0	524.6589000	524.6589268	-
0.0000268 -0.0002000 0.0000000	524.6589262	-0.0000262	0.5000
1589: 44 5 39 2 43 5 38 0	525.3356000	525.3356200	-
0.0000200 -0.0002000 0.0000000	525.3356208	-0.0000208	0.5000
1590: 44 5 40 2 43 5 39 0	525.3356000	525.3356215	-
0.0000215 -0.0002000 0.0000000	525.3356208	-0.0000208	0.5000
1591: 45 5 40 2 44 5 39 0	526.0132000	526.0130793	
0.0001207 -0.0002000 0.0000000	526.0130802	0.0001198	0.5000
1592: 45 5 41 2 44 5 40 0	526.0132000	526.0130811	
0.0001189 -0.0002000 0.0000000	526.0130802	0.0001198	0.5000
1593: 46 5 41 2 45 5 40 0	526.6914000	526.6912966	
0.0001034 -0.0002000 0.0000000	526.6912978	0.0001022	0.5000
1594: 46 5 42 2 45 5 41 0	526.6914000	526.6912989	
0.0001011 -0.0002000 0.0000000	526.6912978	0.0001022	0.5000
1595: 47 5 42 2 46 5 41 0	527.3704000	527.3702652	
0.0001348 -0.0002000 0.0000000	527.3702666	0.0001334	0.5000
1596: 47 5 43 2 46 5 42 0	527.3704000	527.3702680	
0.0001320 -0.0002000 0.0000000	527.3702666	0.0001334	0.5000
1597: 48 5 43 2 47 5 42 0	528.0500000	528.0499781	
0.0000219 -0.0002000 0.0000000	528.0499798	0.0000202	0.5000
1598: 48 5 44 2 47 5 43 0	528.0500000	528.0499816	
0.0000184 -0.0002000 0.0000000	528.0499798	0.0000202	0.5000
1599: 49 5 44 2 48 5 43 0	528.7307000	528.7304281	
0.0002719 -0.0002000 0.0000000	528.7304303	0.0002697	0.5000
1600: 49 5 45 2 48 5 44 0	528.7307000	528.7304325	
0.0002675 -0.0002000 0.0000000	528.7304303	0.0002697	0.5000
1601: 50 5 45 2 49 5 44 0	529.4117000	529.4116083	
0.0000917 -0.0002000 0.0000000			
1602: 5 5 0 2 6 5 1 0	492.5523000	492.5525907	-
0.0002907 -0.0002000 0.0000000	492.5525907	-0.0002907	0.5000
1603: 5 5 1 2 6 5 2 0	492.5523000	492.5525907	-
0.0002907 -0.0002000 0.0000000	492.5525907	-0.0002907	0.5000
1604: 6 5 1 2 7 5 2 0	491.9205000	491.9206009	-
0.0001009 -0.0002000 0.0000000	491.9206009	-0.0001009	0.5000
1605: 6 5 2 2 7 5 3 0	491.9205000	491.9206009	-
0.0001009 -0.0002000 0.0000000	491.9206009	-0.0001009	0.5000
1606: 7 5 2 2 8 5 3 0	491.2894000	491.2895885	-
0.0001885 -0.0002000 0.0000000	491.2895885	-0.0001885	0.5000
1607: 7 5 3 2 8 5 4 0	491.2894000	491.2895885	-
0.0001885 -0.0002000 0.0000000	491.2895885	-0.0001885	0.5000
1608: 8 5 3 2 9 5 4 0	490.6595000	490.6595549	-
0.0000549 -0.0002000 0.0000000	490.6595549	-0.0000549	0.5000
1609: 8 5 4 2 9 5 5 0	490.6595000	490.6595549	-
0.0000549 -0.0002000 0.0000000	490.6595549	-0.0000549	0.5000
1610: 9 5 4 2 10 5 5 0	490.0304000	490.0305015	-
0.0001015 -0.0002000 0.0000000	490.0305015	-0.0001015	0.5000

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1611:	9	5	5	2	10	5	6	0		490.0304000	490.0305015	-
0.0001015	-0.0002000	0.0000000							490.0305015	-0.0001015	0.5000	-
1612:	10	5	5	2	11	5	6	0		489.4023000	489.4024293	-
0.0001293	-0.0002000	0.0000000							489.4024293	-0.0001293	0.5000	-
1613:	10	5	6	2	11	5	7	0		489.4023000	489.4024293	-
0.0001293	-0.0002000	0.0000000							489.4024293	-0.0001293	0.5000	-
1614:	11	5	6	2	12	5	7	0		488.7751000	488.7753396	-
0.0002396	-0.0002000	0.0000000							488.7753396	-0.0002396	0.5000	-
1615:	11	5	7	2	12	5	8	0		488.7751000	488.7753396	-
0.0002396	-0.0002000	0.0000000							488.7753396	-0.0002396	0.5000	-
1616:	12	5	7	2	13	5	8	0		488.1490000	488.1492332	-
0.0002332	-0.0002000	0.0000000							488.1492332	-0.0002332	0.5000	-
1617:	12	5	8	2	13	5	9	0		488.1490000	488.1492332	-
0.0002332	-0.0002000	0.0000000							488.1492332	-0.0002332	0.5000	-
1618:	13	5	8	2	14	5	9	0		487.5240000	487.5241111	-
0.0001111	-0.0002000	0.0000000							487.5241111	-0.0001111	0.5000	-
1619:	13	5	9	2	14	5	10	0		487.5240000	487.5241111	-
0.0001111	-0.0002000	0.0000000							487.5241111	-0.0001111	0.5000	-
1620:	14	5	9	2	15	5	10	0		486.8998000	486.8999740	-
0.0001740	-0.0002000	0.0000000							486.8999740	-0.0001740	0.5000	-
1621:	14	5	10	2	15	5	11	0		486.8998000	486.8999740	-
0.0001740	-0.0002000	0.0000000							486.8999740	-0.0001740	0.5000	-
1622:	15	5	10	2	16	5	11	0		486.2766000	486.2768225	-
0.0002225	-0.0002000	0.0000000							486.2768225	-0.0002225	0.5000	-
1623:	15	5	11	2	16	5	12	0		486.2766000	486.2768225	-
0.0002225	-0.0002000	0.0000000							486.2768225	-0.0002225	0.5000	-
1624:	16	5	11	2	17	5	12	0		485.6545000	485.6546573	-
0.0001573	-0.0002000	0.0000000							485.6546573	-0.0001573	0.5000	-
1625:	16	5	12	2	17	5	13	0		485.6545000	485.6546573	-
0.0001573	-0.0002000	0.0000000							485.6546573	-0.0001573	0.5000	-
1626:	17	5	12	2	18	5	13	0		485.0332000	485.0334787	-
0.0002787	-0.0002000	0.0000000							485.0334787	-0.0002787	0.5000	-
1627:	17	5	13	2	18	5	14	0		485.0332000	485.0334787	-
0.0002787	-0.0002000	0.0000000							485.0334787	-0.0002787	0.5000	-
1628:	18	5	13	2	19	5	14	0		484.4130000	484.4132871	-
0.0002871	-0.0002000	0.0000000							484.4132871	-0.0002871	0.5000	-
1629:	18	5	14	2	19	5	15	0		484.4130000	484.4132871	-
0.0002871	-0.0002000	0.0000000							484.4132871	-0.0002871	0.5000	-
1630:	19	5	14	2	20	5	15	0		483.7939000	483.7940827	-
0.0001827	-0.0002000	0.0000000							483.7940827	-0.0001827	0.5000	-
1631:	19	5	15	2	20	5	16	0		483.7939000	483.7940827	-
0.0001827	-0.0002000	0.0000000							483.7940827	-0.0001827	0.5000	-
1632:	20	5	15	2	21	5	16	0		483.1757000	483.1758656	-
0.0001656	-0.0002000	0.0000000							483.1758656	-0.0001656	0.5000	-
1633:	20	5	16	2	21	5	17	0		483.1757000	483.1758656	-
0.0001656	-0.0002000	0.0000000							483.1758656	-0.0001656	0.5000	-
1634:	21	5	16	2	22	5	17	0		482.5585000	482.5586359	-
0.0001359	-0.0002000	0.0000000							482.5586359	-0.0001359	0.5000	-
1635:	21	5	17	2	22	5	18	0		482.5585000	482.5586359	-
0.0001359	-0.0002000	0.0000000							482.5586359	-0.0001359	0.5000	-
1636:	22	5	17	2	23	5	18	0		481.9422000	481.9423936	-
0.0001936	-0.0002000	0.0000000							481.9423936	-0.0001936	0.5000	-
1637:	22	5	18	2	23	5	19	0		481.9422000	481.9423936	-
0.0001936	-0.0002000	0.0000000							481.9423936	-0.0001936	0.5000	-
1638:	23	5	18	2	24	5	19	0		481.3269000	481.3271383	-
0.0002383	-0.0002000	0.0000000							481.3271383	-0.0002383	0.5000	-
1639:	23	5	19	2	24	5	20	0		481.3269000	481.3271383	-
0.0002383	-0.0002000	0.0000000							481.3271383	-0.0002383	0.5000	-
1640:	24	5	19	2	25	5	20	0		480.7127000	480.7128698	-
0.0001698	-0.0002000	0.0000000							480.7128698	-0.0001698	0.5000	-

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1641:	24	5	20	2	25	5	21	0		480.7127000	480.7128698	-
0.0001698	-0.0002000	0.0000000							480.7128698	-0.0001698	0.5000	
1642:	25	5	20	2	26	5	21	0		480.0994000	480.0995877	-
0.0001877	-0.0002000	0.0000000							480.0995877	-0.0001877	0.5000	
1643:	25	5	21	2	26	5	22	0		480.0994000	480.0995877	-
0.0001877	-0.0002000	0.0000000							480.0995877	-0.0001877	0.5000	
1644:	26	5	21	2	27	5	22	0		479.4871000	479.4872916	-
0.0001916	-0.0002000	0.0000000							479.4872916	-0.0001916	0.5000	
1645:	26	5	22	2	27	5	23	0		479.4871000	479.4872916	-
0.0001916	-0.0002000	0.0000000							479.4872916	-0.0001916	0.5000	
1646:	27	5	22	2	28	5	23	0		478.8758000	478.8759808	-
0.0001808	-0.0002000	0.0000000							478.8759808	-0.0001808	0.5000	
1647:	27	5	23	2	28	5	24	0		478.8758000	478.8759809	-
0.0001809	-0.0002000	0.0000000							478.8759808	-0.0001808	0.5000	
1648:	28	5	23	2	29	5	24	0		478.2654000	478.2656547	-
0.0002547	-0.0002000	0.0000000							478.2656547	-0.0002547	0.5000	
1649:	28	5	24	2	29	5	25	0		478.2654000	478.2656547	-
0.0002547	-0.0002000	0.0000000							478.2656547	-0.0002547	0.5000	
1650:	29	5	24	2	30	5	25	0		477.6561000	477.6563124	-
0.0002124	-0.0002000	0.0000000							477.6563124	-0.0002124	0.5000	
1651:	29	5	25	2	30	5	26	0		477.6561000	477.6563125	-
0.0002125	-0.0002000	0.0000000							477.6563124	-0.0002124	0.5000	
1652:	30	5	25	2	31	5	26	0		477.0477000	477.0479531	-
0.0002531	-0.0002000	0.0000000							477.0479531	-0.0002531	0.5000	
1653:	30	5	26	2	31	5	27	0		477.0477000	477.0479531	-
0.0002531	-0.0002000	0.0000000							477.0479531	-0.0002531	0.5000	
1654:	31	5	26	2	32	5	27	0		476.4404000	476.4405757	-
0.0001757	-0.0002000	0.0000000							476.4405757	-0.0001757	0.5000	
1655:	31	5	27	2	32	5	28	0		476.4404000	476.4405758	-
0.0001758	-0.0002000	0.0000000							476.4405757	-0.0001757	0.5000	
1656:	32	5	27	2	33	5	28	0		475.8340000	475.8341792	-
0.0001792	-0.0002000	0.0000000							475.8341792	-0.0001792	0.5000	
1657:	32	5	28	2	33	5	29	0		475.8340000	475.8341793	-
0.0001793	-0.0002000	0.0000000							475.8341792	-0.0001792	0.5000	
1658:	33	5	28	2	34	5	29	0		475.2285000	475.2287623	-
0.0002623	-0.0002000	0.0000000							475.2287624	-0.0002624	0.5000	
1659:	33	5	29	2	34	5	30	0		475.2285000	475.2287625	-
0.0002625	-0.0002000	0.0000000							475.2287624	-0.0002624	0.5000	
1660:	34	5	29	2	35	5	30	0		474.6242000	474.6243238	-
0.0001238	-0.0002000	0.0000000							474.6243239	-0.0001239	0.5000	
1661:	34	5	30	2	35	5	31	0		474.6242000	474.6243240	-
0.0001240	-0.0002000	0.0000000							474.6243239	-0.0001239	0.5000	
1662:	35	5	30	2	36	5	31	0		474.0207000	474.0208623	-
0.0001623	-0.0002000	0.0000000							474.0208624	-0.0001624	0.5000	
1663:	35	5	31	2	36	5	32	0		474.0207000	474.0208626	-
0.0001626	-0.0002000	0.0000000							474.0208624	-0.0001624	0.5000	
1664:	36	5	31	2	37	5	32	0		473.4182000	473.4183763	-
0.0001763	-0.0002000	0.0000000							473.4183765	-0.0001765	0.5000	
1665:	36	5	32	2	37	5	33	0		473.4182000	473.4183767	-
0.0001767	-0.0002000	0.0000000							473.4183765	-0.0001765	0.5000	
1666:	37	5	32	2	38	5	33	0		472.8167000	472.8168642	-
0.0001642	-0.0002000	0.0000000							472.8168645	-0.0001645	0.5000	
1667:	37	5	33	2	38	5	34	0		472.8167000	472.8168647	-
0.0001647	-0.0002000	0.0000000							472.8168645	-0.0001645	0.5000	
1668:	38	5	33	2	39	5	34	0		472.2162000	472.2163244	-
0.0001244	-0.0002000	0.0000000							472.2163247	-0.0001247	0.5000	
1669:	38	5	34	2	39	5	35	0		472.2162000	472.2163250	-
0.0001250	-0.0002000	0.0000000							472.2163247	-0.0001247	0.5000	
1670:	39	5	34	2	40	5	35	0		471.6166000	471.6167550	-
0.0001550	-0.0002000	0.0000000							471.6167554	-0.0001554	0.5000	

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1671:	39	5	35	2	40	5	36	0		471.6166000	471.6167558	-
0.0001558	-0.0002000	0.0000000							471.6167554	-0.0001554	0.5000	
1672:	40	5	35	2	41	5	36	0		471.0181000	471.0181542	-
0.0000542	-0.0002000	0.0000000							471.0181548	-0.0000548	0.5000	
1673:	40	5	36	2	41	5	37	0		471.0181000	471.0181553	-
0.0000553	-0.0002000	0.0000000							471.0181548	-0.0000548	0.5000	
1674:	41	5	36	2	42	5	37	0		470.4204000	470.4205201	-
0.0001201	-0.0002000	0.0000000							470.4205208	-0.0001208	0.5000	
1675:	41	5	37	2	42	5	38	0		470.4204000	470.4205214	-
0.0001214	-0.0002000	0.0000000							470.4205208	-0.0001208	0.5000	
1676:	42	5	37	2	43	5	38	0		469.8238000	469.8238505	-
0.0000505	-0.0002000	0.0000000							469.8238514	-0.0000514	0.5000	
1677:	42	5	38	2	43	5	39	0		469.8238000	469.8238522	-
0.0000522	-0.0002000	0.0000000							469.8238514	-0.0000514	0.5000	
1678:	43	5	38	2	44	5	39	0		469.2281000	469.2281434	-
0.0000434	-0.0002000	0.0000000							469.2281445	-0.0000445	0.5000	
1679:	43	5	39	2	44	5	40	0		469.2281000	469.2281455	-
0.0000455	-0.0002000	0.0000000							469.2281445	-0.0000445	0.5000	
1680:	44	5	39	2	45	5	40	0		468.6335000	468.6333965	
0.0001035	-0.0002000	0.0000000							468.6333978	0.0001022	0.5000	
1681:	44	5	40	2	45	5	41	0		468.6335000	468.6333991	
0.0001009	-0.0002000	0.0000000							468.6333978	0.0001022	0.5000	
1682:	45	5	40	2	46	5	41	0		468.0395000	468.0396074	-
0.0001074	-0.0002000	0.0000000							468.0396091	-0.0001091	0.5000	
1683:	45	5	41	2	46	5	42	0		468.0395000	468.0396107	-
0.0001107	-0.0002000	0.0000000							468.0396091	-0.0001091	0.5000	
1684:	46	5	41	2	47	5	42	0		467.4469000	467.4467738	
0.0001262	-0.0002000	0.0000000							467.4467758	0.0001242	0.5000	
1685:	46	5	42	2	47	5	43	0		467.4469000	467.4467779	
0.0001221	-0.0002000	0.0000000							467.4467758	0.0001242	0.5000	
1686:	47	5	42	2	48	5	43	0		466.8550000	466.8548931	
0.0001069	-0.0002000	0.0000000							466.8548956	0.0001044	0.5000	
1687:	47	5	43	2	48	5	44	0		466.8550000	466.8548981	
0.0001019	-0.0002000	0.0000000							466.8548956	0.0001044	0.5000	
1688:	48	5	43	2	49	5	44	0		466.2642000	466.2639627	
0.0002373	-0.0002000	0.0000000							466.2639658	0.0002342	0.5000	
1689:	48	5	44	2	49	5	45	0		466.2642000	466.2639688	
0.0002312	-0.0002000	0.0000000							466.2639658	0.0002342	0.5000	
1690:	49	5	44	2	50	5	45	0		465.6739000	465.6739799	-
0.0000799	-0.0002000	0.0000000							465.6739837	-0.0000837	0.5000	
1691:	49	5	45	2	50	5	46	0		465.6739000	465.6739874	-
0.0000874	-0.0002000	0.0000000							465.6739837	-0.0000837	0.5000	
1692:	50	5	45	2	51	5	46	0		465.0850000	465.0849420	
0.0000580	-0.0002000	0.0000000										
1693:	7	6	1	2	6	6	0	0		509.4401000	509.4397362	
0.0003638	-0.0002000	0.0000000							509.4397362	0.0003638	0.5000	
1694:	7	6	2	2	6	6	1	0		509.4401000	509.4397362	
0.0003638	-0.0002000	0.0000000							509.4397362	0.0003638	0.5000	
1695:	8	6	2	2	7	6	1	0		510.0849000	510.0847473	
0.0001527	-0.0002000	0.0000000							510.0847473	0.0001527	0.5000	
1696:	8	6	3	2	7	6	2	0		510.0849000	510.0847473	
0.0001527	-0.0002000	0.0000000							510.0847473	0.0001527	0.5000	
1697:	9	6	3	2	8	6	2	0		510.7309000	510.7306681	
0.0002319	-0.0002000	0.0000000							510.7306681	0.0002319	0.5000	
1698:	9	6	4	2	8	6	3	0		510.7309000	510.7306681	
0.0002319	-0.0002000	0.0000000							510.7306681	0.0002319	0.5000	
1699:	10	6	4	2	9	6	3	0		511.3778000	511.3774958	
0.0003042	-0.0002000	0.0000000							511.3774958	0.0003042	0.5000	
1700:	10	6	5	2	9	6	4	0		511.3778000	511.3774958	
0.0003042	-0.0002000	0.0000000							511.3774958	0.0003042	0.5000	



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1701: 11 6 5 2 10 6 4 0	512.0252273	512.0252273
0.0002727 -0.0002000 0.0000000	0.0002727 0.5000	
1702: 11 6 6 2 10 6 5 0	512.0252273	512.0252273
0.0002727 -0.0002000 0.0000000	0.0002727 0.5000	
1703: 12 6 6 2 11 6 5 0	512.6738595	512.6738595
0.0002405 -0.0002000 0.0000000	0.0002405 0.5000	
1704: 12 6 7 2 11 6 6 0	512.6738595	512.6738595
0.0002405 -0.0002000 0.0000000	0.0002405 0.5000	
1705: 13 6 7 2 12 6 6 0	513.3233890	513.3233890
0.0003110 -0.0002000 0.0000000	0.0003110 0.5000	
1706: 13 6 8 2 12 6 7 0	513.3233890	513.3233890
0.0003110 -0.0002000 0.0000000	0.0003110 0.5000	
1707: 14 6 8 2 13 6 7 0	513.9738127	513.9738127
0.0002873 -0.0002000 0.0000000	0.0002873 0.5000	
1708: 14 6 9 2 13 6 8 0	513.9738127	513.9738127
0.0002873 -0.0002000 0.0000000	0.0002873 0.5000	
1709: 15 6 9 2 14 6 8 0	514.6251272	514.6251272
0.0003728 -0.0002000 0.0000000	0.0003728 0.5000	
1710: 15 6 10 2 14 6 9 0	514.6251272	514.6251272
0.0003728 -0.0002000 0.0000000	0.0003728 0.5000	
1711: 16 6 10 2 15 6 9 0	515.2773289	515.2773289
0.0002711 -0.0002000 0.0000000	0.0002711 0.5000	
1712: 16 6 11 2 15 6 10 0	515.2773289	515.2773289
0.0002711 -0.0002000 0.0000000	0.0002711 0.5000	
1713: 17 6 11 2 16 6 10 0	515.9304145	515.9304145
0.0002855 -0.0002000 0.0000000	0.0002855 0.5000	
1714: 17 6 12 2 16 6 11 0	515.9304145	515.9304145
0.0002855 -0.0002000 0.0000000	0.0002855 0.5000	
1715: 18 6 12 2 17 6 11 0	516.5843801	516.5843801
0.0003199 -0.0002000 0.0000000	0.0003199 0.5000	
1716: 18 6 13 2 17 6 12 0	516.5843801	516.5843801
0.0003199 -0.0002000 0.0000000	0.0003199 0.5000	
1717: 19 6 13 2 18 6 12 0	517.2392222	517.2392222
0.0003778 -0.0002000 0.0000000	0.0003778 0.5000	
1718: 19 6 14 2 18 6 13 0	517.2392222	517.2392222
0.0003778 -0.0002000 0.0000000	0.0003778 0.5000	
1719: 20 6 14 2 19 6 13 0	517.8949369	517.8949369
0.0003631 -0.0002000 0.0000000	0.0003631 0.5000	
1720: 20 6 15 2 19 6 14 0	517.8949369	517.8949369
0.0003631 -0.0002000 0.0000000	0.0003631 0.5000	
1721: 21 6 15 2 20 6 14 0	518.5515204	518.5515204
0.0003796 -0.0002000 0.0000000	0.0003796 0.5000	
1722: 21 6 16 2 20 6 15 0	518.5515204	518.5515204
0.0003796 -0.0002000 0.0000000	0.0003796 0.5000	
1723: 22 6 16 2 21 6 15 0	519.2089687	519.2089687
0.0003313 -0.0002000 0.0000000	0.0003313 0.5000	
1724: 22 6 17 2 21 6 16 0	519.2089687	519.2089687
0.0003313 -0.0002000 0.0000000	0.0003313 0.5000	
1725: 23 6 17 2 22 6 16 0	519.8672779	519.8672779
0.0003221 -0.0002000 0.0000000	0.0003221 0.5000	
1726: 23 6 18 2 22 6 17 0	519.8672779	519.8672779
0.0003221 -0.0002000 0.0000000	0.0003221 0.5000	
1727: 24 6 18 2 23 6 17 0	520.5264438	520.5264438
0.0003562 -0.0002000 0.0000000	0.0003562 0.5000	
1728: 24 6 19 2 23 6 18 0	520.5264438	520.5264438
0.0003562 -0.0002000 0.0000000	0.0003562 0.5000	
1729: 25 6 19 2 24 6 18 0	521.1864622	521.1864622
0.0003378 -0.0002000 0.0000000	0.0003378 0.5000	
1730: 25 6 20 2 24 6 19 0	521.1864622	521.1864622
0.0003378 -0.0002000 0.0000000	0.0003378 0.5000	

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1731: 26 6 20 2 25 6 19 0		521.8477000	521.8473290
0.0003710 -0.0002000 0.0000000	521.8473290	0.0003710	0.5000
1732: 26 6 21 2 25 6 20 0		521.8477000	521.8473290
0.0003710 -0.0002000 0.0000000	521.8473290	0.0003710	0.5000
1733: 27 6 21 2 26 6 20 0		522.5094000	522.5090396
0.0003604 -0.0002000 0.0000000	522.5090396	0.0003604	0.5000
1734: 27 6 22 2 26 6 21 0		522.5094000	522.5090396
0.0003604 -0.0002000 0.0000000	522.5090396	0.0003604	0.5000
1735: 28 6 22 2 27 6 21 0		523.1720000	523.1715898
0.0004102 -0.0002000 0.0000000	523.1715898	0.0004102	0.5000
1736: 28 6 23 2 27 6 22 0		523.1720000	523.1715898
0.0004102 -0.0002000 0.0000000	523.1715898	0.0004102	0.5000
1737: 29 6 23 2 28 6 22 0		523.8354000	523.8349751
0.0004249 -0.0002000 0.0000000	523.8349751	0.0004249	0.5000
1738: 29 6 24 2 28 6 23 0		523.8354000	523.8349751
0.0004249 -0.0002000 0.0000000	523.8349751	0.0004249	0.5000
1739: 30 6 24 2 29 6 23 0		524.4996000	524.4991908
0.0004092 -0.0002000 0.0000000	524.4991908	0.0004092	0.5000
1740: 30 6 25 2 29 6 24 0		524.4996000	524.4991908
0.0004092 -0.0002000 0.0000000	524.4991908	0.0004092	0.5000
1741: 31 6 25 2 30 6 24 0		525.1646000	525.1642324
0.0003676 -0.0002000 0.0000000	525.1642324	0.0003676	0.5000
1742: 31 6 26 2 30 6 25 0		525.1646000	525.1642324
0.0003676 -0.0002000 0.0000000	525.1642324	0.0003676	0.5000
1743: 32 6 26 2 31 6 25 0		525.8306000	525.8300951
0.0005049 -0.0002000 0.0000000	525.8300951	0.0005049	0.5000
1744: 32 6 27 2 31 6 26 0		525.8306000	525.8300951
0.0005049 -0.0002000 0.0000000	525.8300951	0.0005049	0.5000
1745: 33 6 27 2 32 6 26 0		526.4973000	526.4967741
0.0005259 -0.0002000 0.0000000	526.4967741	0.0005259	0.5000
1746: 33 6 28 2 32 6 27 0		526.4973000	526.4967741
0.0005259 -0.0002000 0.0000000	526.4967741	0.0005259	0.5000
1747: 34 6 28 2 33 6 27 0		527.1648000	527.1642646
0.0005354 -0.0002000 0.0000000	527.1642646	0.0005354	0.5000
1748: 34 6 29 2 33 6 28 0		527.1648000	527.1642646
0.0005354 -0.0002000 0.0000000	527.1642646	0.0005354	0.5000
1749: 35 6 29 2 34 6 28 0		527.8330000	527.8325616
0.0004384 -0.0002000 0.0000000	527.8325616	0.0004384	0.5000
1750: 35 6 30 2 34 6 29 0		527.8330000	527.8325616
0.0004384 -0.0002000 0.0000000	527.8325616	0.0004384	0.5000
1751: 36 6 30 2 35 6 29 0		528.5022000	528.5016600
0.0005400 -0.0002000 0.0000000	528.5016600	0.0005400	0.5000
1752: 36 6 31 2 35 6 30 0		528.5022000	528.5016600
0.0005400 -0.0002000 0.0000000	528.5016600	0.0005400	0.5000
1753: 37 6 31 2 36 6 30 0		529.1722000	529.1715550
0.0006450 -0.0002000 0.0000000	529.1715550	0.0006450	0.5000
1754: 37 6 32 2 36 6 31 0		529.1722000	529.1715550
0.0006450 -0.0002000 0.0000000	529.1715550	0.0006450	0.5000
1755: 38 6 32 2 37 6 31 0		529.8427000	529.8422411
0.0004589 -0.0002000 0.0000000	529.8422411	0.0004589	0.5000
1756: 38 6 33 2 37 6 32 0		529.8427000	529.8422411
0.0004589 -0.0002000 0.0000000	529.8422411	0.0004589	0.5000
1757: 39 6 33 2 38 6 32 0		530.5143000	530.5137133
0.0005867 -0.0002000 0.0000000	530.5137133	0.0005867	0.5000
1758: 39 6 34 2 38 6 33 0		530.5143000	530.5137133
0.0005867 -0.0002000 0.0000000	530.5137133	0.0005867	0.5000
1759: 40 6 34 2 39 6 33 0		531.1866000	531.1859662
0.0006338 -0.0002000 0.0000000	531.1859662	0.0006338	0.5000
1760: 40 6 35 2 39 6 34 0		531.1866000	531.1859662
0.0006338 -0.0002000 0.0000000	531.1859662	0.0006338	0.5000

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1761: 41 6 35 2 40 6 34 0		531.8595000	531.8589944
0.0005056 -0.0002000 0.0000000	531.8589944	0.0005056 0.5000	
1762: 41 6 36 2 40 6 35 0		531.8595000	531.8589944
0.0005056 -0.0002000 0.0000000	531.8589944	0.0005056 0.5000	
1763: 42 6 36 2 41 6 35 0		532.5334000	532.5327925
0.0006075 -0.0002000 0.0000000	532.5327925	0.0006075 0.5000	
1764: 42 6 37 2 41 6 36 0		532.5334000	532.5327925
0.0006075 -0.0002000 0.0000000	532.5327925	0.0006075 0.5000	
1765: 43 6 37 2 42 6 36 0		533.2080000	533.2073550
0.0006450 -0.0002000 0.0000000	533.2073550	0.0006450 0.5000	
1766: 43 6 38 2 42 6 37 0		533.2080000	533.2073550
0.0006450 -0.0002000 0.0000000	533.2073550	0.0006450 0.5000	
1767: 44 6 38 2 43 6 37 0		533.8834000	533.8826763
0.0007237 -0.0002000 0.0000000	533.8826763	0.0007237 0.5000	
1768: 44 6 39 2 43 6 38 0		533.8834000	533.8826763
0.0007237 -0.0002000 0.0000000	533.8826763	0.0007237 0.5000	
1769: 45 6 39 2 44 6 38 0		534.5595000	534.5587507
0.0007493 -0.0002000 0.0000000	534.5587507	0.0007493 0.5000	
1770: 45 6 40 2 44 6 39 0		534.5595000	534.5587507
0.0007493 -0.0002000 0.0000000	534.5587507	0.0007493 0.5000	
1771: 46 6 40 2 45 6 39 0		535.2362000	535.2355725
0.0006275 -0.0002000 0.0000000	535.2355725	0.0006275 0.5000	
1772: 46 6 41 2 45 6 40 0		535.2362000	535.2355725
0.0006275 -0.0002000 0.0000000	535.2355725	0.0006275 0.5000	
1773: 47 6 41 2 46 6 40 0		535.9139000	535.9131359
0.0007641 -0.0002000 0.0000000	535.9131359	0.0007641 0.5000	
1774: 47 6 42 2 46 6 41 0		535.9139000	535.9131359
0.0007641 -0.0002000 0.0000000	535.9131359	0.0007641 0.5000	
1775: 48 6 42 2 47 6 41 0		536.5922000	536.5914351
0.0007649 -0.0002000 0.0000000	536.5914351	0.0007649 0.5000	
1776: 48 6 43 2 47 6 42 0		536.5922000	536.5914351
0.0007649 -0.0002000 0.0000000	536.5914351	0.0007649 0.5000	
1777: 49 6 43 2 48 6 42 0		537.2713000	537.2704642
0.0008358 -0.0002000 0.0000000	537.2704642	0.0008358 0.5000	
1778: 49 6 44 2 48 6 43 0		537.2713000	537.2704642
0.0008358 -0.0002000 0.0000000	537.2704642	0.0008358 0.5000	
1779: 50 6 44 2 49 6 43 0		537.9510000	537.9502171
0.0007829 -0.0002000 0.0000000			
1780: 6 6 0 2 7 6 1 0		500.5068000	500.5065746
0.0002254 -0.0002000 0.0000000	500.5065746	0.0002254 0.5000	
1781: 6 6 1 2 7 6 2 0		500.5068000	500.5065746
0.0002254 -0.0002000 0.0000000	500.5065746	0.0002254 0.5000	
1782: 7 6 1 2 8 6 2 0		499.8758000	499.8755102
0.0002898 -0.0002000 0.0000000	499.8755102	0.0002898 0.5000	
1783: 7 6 2 2 8 6 3 0		499.8758000	499.8755102
0.0002898 -0.0002000 0.0000000	499.8755102	0.0002898 0.5000	
1784: 8 6 2 2 9 6 3 0		499.2456000	499.2453919
0.0002081 -0.0002000 0.0000000	499.2453919	0.0002081 0.5000	
1785: 8 6 3 2 9 6 4 0		499.2456000	499.2453919
0.0002081 -0.0002000 0.0000000	499.2453919	0.0002081 0.5000	
1786: 9 6 3 2 10 6 4 0		498.6165000	498.6162212
0.0002788 -0.0002000 0.0000000	498.6162212	0.0002788 0.5000	
1787: 9 6 4 2 10 6 5 0		498.6165000	498.6162212
0.0002788 -0.0002000 0.0000000	498.6162212	0.0002788 0.5000	
1788: 10 6 4 2 11 6 5 0		497.9883000	497.9879995
0.0003005 -0.0002000 0.0000000	497.9879995	0.0003005 0.5000	
1789: 10 6 5 2 11 6 6 0		497.9883000	497.9879995
0.0003005 -0.0002000 0.0000000	497.9879995	0.0003005 0.5000	
1790: 11 6 5 2 12 6 6 0		497.3610000	497.3607282
0.0002718 -0.0002000 0.0000000	497.3607282	0.0002718 0.5000	

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1791:	11	6	6	2	12	6	7	0		497.3610000	497.3607282
0.0002718	-0.0002000	0.0000000							497.3607282	0.0002718	0.5000
1792:	12	6	6	2	13	6	7	0		496.7347000	496.7344087
0.0002913	-0.0002000	0.0000000							496.7344087	0.0002913	0.5000
1793:	12	6	7	2	13	6	8	0		496.7347000	496.7344087
0.0002913	-0.0002000	0.0000000							496.7344087	0.0002913	0.5000
1794:	13	6	7	2	14	6	8	0		496.1093000	496.1090421
0.0002579	-0.0002000	0.0000000							496.1090421	0.0002579	0.5000
1795:	13	6	8	2	14	6	9	0		496.1093000	496.1090421
0.0002579	-0.0002000	0.0000000							496.1090421	0.0002579	0.5000
1796:	14	6	8	2	15	6	9	0		495.4849000	495.4846297
0.0002703	-0.0002000	0.0000000							495.4846297	0.0002703	0.5000
1797:	14	6	9	2	15	6	10	0		495.4849000	495.4846297
0.0002703	-0.0002000	0.0000000							495.4846297	0.0002703	0.5000
1798:	15	6	9	2	16	6	10	0		494.8615000	494.8611724
0.0003276	-0.0002000	0.0000000							494.8611724	0.0003276	0.5000
1799:	15	6	10	2	16	6	11	0		494.8615000	494.8611724
0.0003276	-0.0002000	0.0000000							494.8611724	0.0003276	0.5000
1800:	16	6	10	2	17	6	11	0		494.2390000	494.2386714
0.0003286	-0.0002000	0.0000000							494.2386714	0.0003286	0.5000
1801:	16	6	11	2	17	6	12	0		494.2390000	494.2386714
0.0003286	-0.0002000	0.0000000							494.2386714	0.0003286	0.5000
1802:	17	6	11	2	18	6	12	0		493.6174000	493.6171274
0.0002726	-0.0002000	0.0000000							493.6171274	0.0002726	0.5000
1803:	17	6	12	2	18	6	13	0		493.6174000	493.6171274
0.0002726	-0.0002000	0.0000000							493.6171274	0.0002726	0.5000
1804:	18	6	12	2	19	6	13	0		492.9969000	492.9965413
0.0003587	-0.0002000	0.0000000									
1805:	20	6	14	2	21	6	15	0		491.7586000	491.7582457
0.0003543	-0.0002000	0.0000000							491.7582457	0.0003543	0.5000
1806:	20	6	15	2	21	6	16	0		491.7586000	491.7582457
0.0003543	-0.0002000	0.0000000							491.7582457	0.0003543	0.5000
1807:	21	6	15	2	22	6	16	0		491.1409000	491.1405375
0.0003625	-0.0002000	0.0000000							491.1405375	0.0003625	0.5000
1808:	21	6	16	2	22	6	17	0		491.1409000	491.1405375
0.0003625	-0.0002000	0.0000000							491.1405375	0.0003625	0.5000
1809:	22	6	16	2	23	6	17	0		490.5241000	490.5237897
0.0003103	-0.0002000	0.0000000							490.5237897	0.0003103	0.5000
1810:	22	6	17	2	23	6	18	0		490.5241000	490.5237897
0.0003103	-0.0002000	0.0000000							490.5237897	0.0003103	0.5000
1811:	23	6	17	2	24	6	18	0		489.9084000	489.9080027
0.0003973	-0.0002000	0.0000000							489.9080027	0.0003973	0.5000
1812:	23	6	18	2	24	6	19	0		489.9084000	489.9080027
0.0003973	-0.0002000	0.0000000							489.9080027	0.0003973	0.5000
1813:	24	6	18	2	25	6	19	0		489.2935000	489.2931768
0.0003232	-0.0002000	0.0000000							489.2931768	0.0003232	0.5000
1814:	24	6	19	2	25	6	20	0		489.2935000	489.2931768
0.0003232	-0.0002000	0.0000000							489.2931768	0.0003232	0.5000
1815:	25	6	19	2	26	6	20	0		488.6797000	488.6793124
0.0003876	-0.0002000	0.0000000							488.6793124	0.0003876	0.5000
1816:	25	6	20	2	26	6	21	0		488.6797000	488.6793124
0.0003876	-0.0002000	0.0000000							488.6793124	0.0003876	0.5000
1817:	26	6	20	2	27	6	21	0		488.0668000	488.0664096
0.0003904	-0.0002000	0.0000000							488.0664096	0.0003904	0.5000
1818:	26	6	21	2	27	6	22	0		488.0668000	488.0664096
0.0003904	-0.0002000	0.0000000							488.0664096	0.0003904	0.5000
1819:	27	6	21	2	28	6	22	0		487.4549000	487.4544686
0.0004314	-0.0002000	0.0000000							487.4544686	0.0004314	0.5000
1820:	27	6	22	2	28	6	23	0		487.4549000	487.4544686
0.0004314	-0.0002000	0.0000000							487.4544686	0.0004314	0.5000

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1821:	28	6	22	2	29	6	23	0		486.8439000	486.8434893
0.0004107	-0.0002000	0.0000000							486.8434893	0.0004107	0.5000
1822:	28	6	23	2	29	6	24	0		486.8439000	486.8434893
0.0004107	-0.0002000	0.0000000							486.8434893	0.0004107	0.5000
1823:	29	6	23	2	30	6	24	0		486.2338000	486.2334717
0.0003283	-0.0002000	0.0000000							486.2334717	0.0003283	0.5000
1824:	29	6	24	2	30	6	25	0		486.2338000	486.2334717
0.0003283	-0.0002000	0.0000000							486.2334717	0.0003283	0.5000
1825:	30	6	24	2	31	6	25	0		485.6248000	485.6244158
0.0003842	-0.0002000	0.0000000							485.6244158	0.0003842	0.5000
1826:	30	6	25	2	31	6	26	0		485.6248000	485.6244158
0.0003842	-0.0002000	0.0000000							485.6244158	0.0003842	0.5000
1827:	31	6	25	2	32	6	26	0		485.0168000	485.0163213
0.0004787	-0.0002000	0.0000000							485.0163213	0.0004787	0.5000
1828:	31	6	26	2	32	6	27	0		485.0168000	485.0163213
0.0004787	-0.0002000	0.0000000							485.0163213	0.0004787	0.5000
1829:	32	6	26	2	33	6	27	0		484.4097000	484.4091879
0.0005121	-0.0002000	0.0000000							484.4091879	0.0005121	0.5000
1830:	32	6	27	2	33	6	28	0		484.4097000	484.4091879
0.0005121	-0.0002000	0.0000000							484.4091879	0.0005121	0.5000
1831:	33	6	27	2	34	6	28	0		483.8035000	483.8030154
0.0004846	-0.0002000	0.0000000							483.8030154	0.0004846	0.5000
1832:	33	6	28	2	34	6	29	0		483.8035000	483.8030154
0.0004846	-0.0002000	0.0000000							483.8030154	0.0004846	0.5000
1833:	34	6	28	2	35	6	29	0		483.1983000	483.1978032
0.0004968	-0.0002000	0.0000000							483.1978032	0.0004968	0.5000
1834:	34	6	29	2	35	6	30	0		483.1983000	483.1978032
0.0004968	-0.0002000	0.0000000							483.1978032	0.0004968	0.5000
1835:	35	6	29	2	36	6	30	0		482.5941000	482.5935510
0.0005490	-0.0002000	0.0000000							482.5935510	0.0005490	0.5000
1836:	35	6	30	2	36	6	31	0		482.5941000	482.5935510
0.0005490	-0.0002000	0.0000000							482.5935510	0.0005490	0.5000
1837:	36	6	30	2	37	6	31	0		481.9907000	481.9902581
0.0004419	-0.0002000	0.0000000							481.9902581	0.0004419	0.5000
1838:	36	6	31	2	37	6	32	0		481.9907000	481.9902581
0.0004419	-0.0002000	0.0000000							481.9902581	0.0004419	0.5000
1839:	37	6	31	2	38	6	32	0		481.3884000	481.3879238
0.0004762	-0.0002000	0.0000000							481.3879238	0.0004762	0.5000
1840:	37	6	32	2	38	6	33	0		481.3884000	481.3879238
0.0004762	-0.0002000	0.0000000							481.3879238	0.0004762	0.5000
1841:	38	6	32	2	39	6	33	0		480.7871000	480.7865476
0.0005524	-0.0002000	0.0000000							480.7865476	0.0005524	0.5000
1842:	38	6	33	2	39	6	34	0		480.7871000	480.7865476
0.0005524	-0.0002000	0.0000000							480.7865476	0.0005524	0.5000
1843:	39	6	33	2	40	6	34	0		480.1867000	480.1861286
0.0005714	-0.0002000	0.0000000									
1844:	41	6	35	2	42	6	36	0		478.9888000	478.9881587
0.0006413	-0.0002000	0.0000000							478.9881587	0.0006413	0.5000
1845:	41	6	36	2	42	6	37	0		478.9888000	478.9881587
0.0006413	-0.0002000	0.0000000							478.9881587	0.0006413	0.5000
1846:	42	6	36	2	43	6	37	0		478.3913000	478.3906059
0.0006941	-0.0002000	0.0000000							478.3906059	0.0006941	0.5000
1847:	42	6	37	2	43	6	38	0		478.3913000	478.3906059
0.0006941	-0.0002000	0.0000000							478.3906059	0.0006941	0.5000
1848:	43	6	37	2	44	6	38	0		477.7947000	477.7940065
0.0006935	-0.0002000	0.0000000							477.7940065	0.0006935	0.5000
1849:	43	6	38	2	44	6	39	0		477.7947000	477.7940065
0.0006935	-0.0002000	0.0000000							477.7940065	0.0006935	0.5000
1850:	44	6	38	2	45	6	39	0		477.1990000	477.1983593
0.0006407	-0.0002000	0.0000000							477.1983593	0.0006407	0.5000

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1851:	44	6	39	2	45	6	40	0		477.1990000	477.1983593	
0.0006407	-0.0002000	0.0000000							477.1983593	0.0006407	0.5000	
1852:	45	6	39	2	46	6	40	0		476.6043000	476.6036632	
0.0006368	-0.0002000	0.0000000							476.6036632	0.0006368	0.5000	
1853:	45	6	40	2	46	6	41	0		476.6043000	476.6036632	
0.0006368	-0.0002000	0.0000000							476.6036632	0.0006368	0.5000	
1854:	46	6	40	2	47	6	41	0		476.0107000	476.0099169	
0.0007831	-0.0002000	0.0000000							476.0099169	0.0007831	0.5000	
1855:	46	6	41	2	47	6	42	0		476.0107000	476.0099169	
0.0007831	-0.0002000	0.0000000							476.0099169	0.0007831	0.5000	
1856:	47	6	41	2	48	6	42	0		475.4179000	475.4171190	
0.0007810	-0.0002000	0.0000000							475.4171190	0.0007810	0.5000	
1857:	47	6	42	2	48	6	43	0		475.4179000	475.4171190	
0.0007810	-0.0002000	0.0000000							475.4171190	0.0007810	0.5000	
1858:	48	6	42	2	49	6	43	0		474.8261000	474.8252682	
0.0008318	-0.0002000	0.0000000							474.8252682	0.0008318	0.5000	
1859:	48	6	43	2	49	6	44	0		474.8261000	474.8252682	
0.0008318	-0.0002000	0.0000000							474.8252682	0.0008318	0.5000	
1860:	49	6	43	2	50	6	44	0		474.2350000	474.2343629	
0.0006371	-0.0002000	0.0000000							474.2343630	0.0006370	0.5000	
1861:	49	6	44	2	50	6	45	0		474.2350000	474.2343630	
0.0006370	-0.0002000	0.0000000							474.2343630	0.0006370	0.5000	
1862:	50	6	44	2	51	6	45	0		473.6449000	473.6444017	
0.0004983	-0.0002000	0.0000000										
1863:	8	7	1	2	7	7	0	0		518.6697000	518.6700179	-
0.0003179	-0.0002000	0.0000000							518.6700179	-0.0003179	0.5000	
1864:	8	7	2	2	7	7	1	0		518.6697000	518.6700179	-
0.0003179	-0.0002000	0.0000000							518.6700179	-0.0003179	0.5000	
1865:	9	7	2	2	8	7	1	0		519.3152000	519.3153540	-
0.0001540	-0.0002000	0.0000000							519.3153540	-0.0001540	0.5000	
1866:	9	7	3	2	8	7	2	0		519.3152000	519.3153540	-
0.0001540	-0.0002000	0.0000000							519.3153540	-0.0001540	0.5000	
1867:	10	7	3	2	9	7	2	0		519.9614000	519.9615570	-
0.0001570	-0.0002000	0.0000000							519.9615570	-0.0001570	0.5000	
1868:	10	7	4	2	9	7	3	0		519.9614000	519.9615570	-
0.0001570	-0.0002000	0.0000000							519.9615570	-0.0001570	0.5000	
1869:	11	7	4	2	10	7	3	0		520.6085000	520.6086241	-
0.0001241	-0.0002000	0.0000000							520.6086241	-0.0001241	0.5000	
1870:	11	7	5	2	10	7	4	0		520.6085000	520.6086241	-
0.0001241	-0.0002000	0.0000000							520.6086241	-0.0001241	0.5000	
1871:	12	7	5	2	11	7	4	0		521.2563000	521.2565524	-
0.0002524	-0.0002000	0.0000000							521.2565524	-0.0002524	0.5000	
1872:	12	7	6	2	11	7	5	0		521.2563000	521.2565524	-
0.0002524	-0.0002000	0.0000000							521.2565524	-0.0002524	0.5000	
1873:	13	7	6	2	12	7	5	0		521.9051000	521.9053387	-
0.0002387	-0.0002000	0.0000000							521.9053387	-0.0002387	0.5000	
1874:	13	7	7	2	12	7	6	0		521.9051000	521.9053387	-
0.0002387	-0.0002000	0.0000000							521.9053387	-0.0002387	0.5000	
1875:	14	7	7	2	13	7	6	0		522.5549000	522.5549802	-
0.0000802	-0.0002000	0.0000000							522.5549802	-0.0000802	0.5000	
1876:	14	7	8	2	13	7	7	0		522.5549000	522.5549802	-
0.0000802	-0.0002000	0.0000000							522.5549802	-0.0000802	0.5000	
1877:	15	7	8	2	14	7	7	0		523.2053000	523.2054736	-
0.0001736	-0.0002000	0.0000000							523.2054736	-0.0001736	0.5000	
1878:	15	7	9	2	14	7	8	0		523.2053000	523.2054736	-
0.0001736	-0.0002000	0.0000000							523.2054736	-0.0001736	0.5000	
1879:	16	7	9	2	15	7	8	0		523.8567000	523.8568156	-
0.0001156	-0.0002000	0.0000000							523.8568156	-0.0001156	0.5000	
1880:	16	7	10	2	15	7	9	0		523.8567000	523.8568156	-
0.0001156	-0.0002000	0.0000000							523.8568156	-0.0001156	0.5000	

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1881:	17	7	10	2	16	7	9	0		524.5088000	524.5090032	-
0.0002032	-0.0002000	0.0000000							524.5090032	-0.0002032	0.5000	
1882:	17	7	11	2	16	7	10	0		524.5088000	524.5090032	-
0.0002032	-0.0002000	0.0000000							524.5090032	-0.0002032	0.5000	
1883:	18	7	11	2	17	7	10	0		525.1619000	525.1620328	-
0.0001328	-0.0002000	0.0000000							525.1620328	-0.0001328	0.5000	
1884:	18	7	12	2	17	7	11	0		525.1619000	525.1620328	-
0.0001328	-0.0002000	0.0000000							525.1620328	-0.0001328	0.5000	
1885:	19	7	12	2	18	7	11	0		525.8158000	525.8159012	-
0.0001012	-0.0002000	0.0000000							525.8159012	-0.0001012	0.5000	
1886:	19	7	13	2	18	7	12	0		525.8158000	525.8159012	-
0.0001012	-0.0002000	0.0000000							525.8159012	-0.0001012	0.5000	
1887:	20	7	13	2	19	7	12	0		526.4705000	526.4706049	-
0.0001049	-0.0002000	0.0000000							526.4706049	-0.0001049	0.5000	
1888:	20	7	14	2	19	7	13	0		526.4705000	526.4706049	-
0.0001049	-0.0002000	0.0000000							526.4706049	-0.0001049	0.5000	
1889:	21	7	14	2	20	7	13	0		527.1260000	527.1261403	-
0.0001403	-0.0002000	0.0000000							527.1261403	-0.0001403	0.5000	
1890:	21	7	15	2	20	7	14	0		527.1260000	527.1261403	-
0.0001403	-0.0002000	0.0000000							527.1261403	-0.0001403	0.5000	
1891:	22	7	15	2	21	7	14	0		527.7824000	527.7825040	-
0.0001040	-0.0002000	0.0000000							527.7825040	-0.0001040	0.5000	
1892:	22	7	16	2	21	7	15	0		527.7824000	527.7825040	-
0.0001040	-0.0002000	0.0000000							527.7825040	-0.0001040	0.5000	
1893:	23	7	16	2	22	7	15	0		528.4396000	528.4396922	-
0.0000922	-0.0002000	0.0000000							528.4396922	-0.0000922	0.5000	
1894:	23	7	17	2	22	7	16	0		528.4396000	528.4396922	-
0.0000922	-0.0002000	0.0000000							528.4396922	-0.0000922	0.5000	
1895:	24	7	17	2	23	7	16	0		529.0976000	529.0977013	-
0.0001013	-0.0002000	0.0000000							529.0977013	-0.0001013	0.5000	
1896:	24	7	18	2	23	7	17	0		529.0976000	529.0977013	-
0.0001013	-0.0002000	0.0000000							529.0977013	-0.0001013	0.5000	
1897:	25	7	18	2	24	7	17	0		529.7564000	529.7565276	-
0.0001276	-0.0002000	0.0000000							529.7565276	-0.0001276	0.5000	
1898:	25	7	19	2	24	7	18	0		529.7564000	529.7565276	-
0.0001276	-0.0002000	0.0000000							529.7565276	-0.0001276	0.5000	
1899:	26	7	19	2	25	7	18	0		530.4161000	530.4161671	-
0.0000671	-0.0002000	0.0000000							530.4161671	-0.0000671	0.5000	
1900:	26	7	20	2	25	7	19	0		530.4161000	530.4161671	-
0.0000671	-0.0002000	0.0000000							530.4161671	-0.0000671	0.5000	
1901:	27	7	20	2	26	7	19	0		531.0766000	531.0766161	-
0.0000161	-0.0002000	0.0000000							531.0766161	-0.0000161	0.5000	
1902:	27	7	21	2	26	7	20	0		531.0766000	531.0766161	-
0.0000161	-0.0002000	0.0000000							531.0766161	-0.0000161	0.5000	
1903:	28	7	21	2	27	7	20	0		531.7378000	531.7378706	-
0.0000706	-0.0002000	0.0000000							531.7378706	-0.0000706	0.5000	
1904:	28	7	22	2	27	7	21	0		531.7378000	531.7378706	-
0.0000706	-0.0002000	0.0000000							531.7378706	-0.0000706	0.5000	
1905:	29	7	22	2	28	7	21	0		532.3998000	532.3999266	-
0.0001266	-0.0002000	0.0000000							532.3999266	-0.0001266	0.5000	
1906:	29	7	23	2	28	7	22	0		532.3998000	532.3999266	-
0.0001266	-0.0002000	0.0000000							532.3999266	-0.0001266	0.5000	
1907:	30	7	23	2	29	7	22	0		533.0627000	533.0627801	-
0.0000801	-0.0002000	0.0000000							533.0627801	-0.0000801	0.5000	
1908:	30	7	24	2	29	7	23	0		533.0627000	533.0627801	-
0.0000801	-0.0002000	0.0000000							533.0627801	-0.0000801	0.5000	
1909:	31	7	24	2	30	7	23	0		533.7263000	533.7264270	-
0.0001270	-0.0002000	0.0000000							533.7264270	-0.0001270	0.5000	
1910:	31	7	25	2	30	7	24	0		533.7263000	533.7264270	-
0.0001270	-0.0002000	0.0000000							533.7264270	-0.0001270	0.5000	

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1911: 32 7 25 2 31 7 24 0	534.3907000	534.3908630	-
0.0001630 -0.0002000 0.0000000	534.3908630	-0.0001630 0.5000	
1912: 32 7 26 2 31 7 25 0	534.3907000	534.3908630	-
0.0001630 -0.0002000 0.0000000	534.3908630	-0.0001630 0.5000	
1913: 33 7 26 2 32 7 25 0	535.0559000	535.0560841	-
0.0001841 -0.0002000 0.0000000	535.0560841	-0.0001841 0.5000	
1914: 33 7 27 2 32 7 26 0	535.0559000	535.0560841	-
0.0001841 -0.0002000 0.0000000	535.0560841	-0.0001841 0.5000	
1915: 34 7 27 2 33 7 26 0	535.7220000	535.7220859	-
0.0000859 -0.0002000 0.0000000	535.7220859	-0.0000859 0.5000	
1916: 34 7 28 2 33 7 27 0	535.7220000	535.7220859	-
0.0000859 -0.0002000 0.0000000	535.7220859	-0.0000859 0.5000	
1917: 35 7 28 2 34 7 27 0	536.3888000	536.3888641	-
0.0000641 -0.0002000 0.0000000	536.3888641	-0.0000641 0.5000	
1918: 35 7 29 2 34 7 28 0	536.3888000	536.3888641	-
0.0000641 -0.0002000 0.0000000	536.3888641	-0.0000641 0.5000	
1919: 36 7 29 2 35 7 28 0	537.0563000	537.0564142	-
0.0001142 -0.0002000 0.0000000	537.0564142	-0.0001142 0.5000	
1920: 36 7 30 2 35 7 29 0	537.0563000	537.0564142	-
0.0001142 -0.0002000 0.0000000	537.0564142	-0.0001142 0.5000	
1921: 37 7 30 2 36 7 29 0	537.7246000	537.7247320	-
0.0001320 -0.0002000 0.0000000	537.7247320	-0.0001320 0.5000	
1922: 37 7 31 2 36 7 30 0	537.7246000	537.7247320	-
0.0001320 -0.0002000 0.0000000	537.7247320	-0.0001320 0.5000	
1923: 38 7 31 2 37 7 30 0	538.3937000	538.3938128	-
0.0001128 -0.0002000 0.0000000	538.3938128	-0.0001128 0.5000	
1924: 38 7 32 2 37 7 31 0	538.3937000	538.3938128	-
0.0001128 -0.0002000 0.0000000	538.3938128	-0.0001128 0.5000	
1925: 39 7 32 2 38 7 31 0	539.0635000	539.0636521	-
0.0001521 -0.0002000 0.0000000	539.0636521	-0.0001521 0.5000	
1926: 39 7 33 2 38 7 32 0	539.0635000	539.0636521	-
0.0001521 -0.0002000 0.0000000	539.0636521	-0.0001521 0.5000	
1927: 40 7 33 2 39 7 32 0	539.7341000	539.7342454	-
0.0001454 -0.0002000 0.0000000	539.7342454	-0.0001454 0.5000	
1928: 40 7 34 2 39 7 33 0	539.7341000	539.7342454	-
0.0001454 -0.0002000 0.0000000	539.7342454	-0.0001454 0.5000	
1929: 41 7 34 2 40 7 33 0	540.4053000	540.4055879	-
0.0002879 -0.0002000 0.0000000	540.4055879	-0.0002879 0.5000	
1930: 41 7 35 2 40 7 34 0	540.4053000	540.4055879	-
0.0002879 -0.0002000 0.0000000	540.4055879	-0.0002879 0.5000	
1931: 42 7 35 2 41 7 34 0	541.0774000	541.0776750	-
0.0002750 -0.0002000 0.0000000	541.0776750	-0.0002750 0.5000	
1932: 42 7 36 2 41 7 35 0	541.0774000	541.0776750	-
0.0002750 -0.0002000 0.0000000	541.0776750	-0.0002750 0.5000	
1933: 43 7 36 2 42 7 35 0	541.7501000	541.7505019	-
0.0004019 -0.0002000 0.0000000	541.7505019	-0.0004019 0.5000	
1934: 43 7 37 2 42 7 36 0	541.7501000	541.7505019	-
0.0004019 -0.0002000 0.0000000	541.7505019	-0.0004019 0.5000	
1935: 44 7 37 2 43 7 36 0	542.4237000	542.4240639	-
0.0003639 -0.0002000 0.0000000	542.4240639	-0.0003639 0.5000	
1936: 44 7 38 2 43 7 37 0	542.4237000	542.4240639	-
0.0003639 -0.0002000 0.0000000	542.4240639	-0.0003639 0.5000	
1937: 45 7 38 2 44 7 37 0	543.0980000	543.0983560	-
0.0003560 -0.0002000 0.0000000	543.0983560	-0.0003560 0.5000	
1938: 45 7 39 2 44 7 38 0	543.0980000	543.0983560	-
0.0003560 -0.0002000 0.0000000	543.0983560	-0.0003560 0.5000	
1939: 46 7 39 2 45 7 38 0	543.7728000	543.7733734	-
0.0005734 -0.0002000 0.0000000	543.7733734	-0.0005734 0.5000	
1940: 46 7 40 2 45 7 39 0	543.7728000	543.7733734	-
0.0005734 -0.0002000 0.0000000	543.7733734	-0.0005734 0.5000	



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1941: 47 7 40 2 46 7 39 0	544.4485000	544.4491110	-
0.0006110 -0.0002000 0.0000000	544.4491110	-0.0006110 0.5000	
1942: 47 7 41 2 46 7 40 0	544.4485000	544.4491110	-
0.0006110 -0.0002000 0.0000000	544.4491110	-0.0006110 0.5000	
1943: 48 7 41 2 47 7 40 0	545.1249000	545.1255640	-
0.0006640 -0.0002000 0.0000000	545.1255640	-0.0006640 0.5000	
1944: 48 7 42 2 47 7 41 0	545.1249000	545.1255640	-
0.0006640 -0.0002000 0.0000000	545.1255640	-0.0006640 0.5000	
1945: 49 7 42 2 48 7 41 0	545.8019000	545.8027273	-
0.0008273 -0.0002000 0.0000000	545.8027273	-0.0008273 0.5000	
1946: 49 7 43 2 48 7 42 0	545.8019000	545.8027273	-
0.0008273 -0.0002000 0.0000000	545.8027273	-0.0008273 0.5000	
1947: 50 7 43 2 49 7 42 0	546.4798000	546.4805958	-
0.0007958 -0.0002000 0.0000000			
1948: 7 7 0 2 8 7 1 0	508.4642000	508.4646611	-
0.0004611 -0.0002000 0.0000000	508.4646611	-0.0004611 0.5000	
1949: 7 7 1 2 8 7 2 0	508.4642000	508.4646611	-
0.0004611 -0.0002000 0.0000000	508.4646611	-0.0004611 0.5000	
1950: 8 7 1 2 9 7 2 0	507.8343000	507.8344439	-
0.0001439 -0.0002000 0.0000000	507.8344439	-0.0001439 0.5000	
1951: 8 7 2 2 9 7 3 0	507.8343000	507.8344439	-
0.0001439 -0.0002000 0.0000000	507.8344439	-0.0001439 0.5000	
1952: 9 7 2 2 10 7 3 0	507.2051000	507.2051347	-
0.0000347 -0.0002000 0.0000000	507.2051347	-0.0000347 0.5000	
1953: 9 7 3 2 10 7 4 0	507.2051000	507.2051347	-
0.0000347 -0.0002000 0.0000000	507.2051347	-0.0000347 0.5000	
1954: 10 7 3 2 11 7 4 0	506.5765000	506.5767353	-
0.0002353 -0.0002000 0.0000000	506.5767353	-0.0002353 0.5000	
1955: 10 7 4 2 11 7 5 0	506.5765000	506.5767353	-
0.0002353 -0.0002000 0.0000000	506.5767353	-0.0002353 0.5000	
1956: 11 7 4 2 12 7 5 0	505.9491000	505.9492472	-
0.0001472 -0.0002000 0.0000000	505.9492472	-0.0001472 0.5000	
1957: 11 7 5 2 12 7 6 0	505.9491000	505.9492472	-
0.0001472 -0.0002000 0.0000000	505.9492472	-0.0001472 0.5000	
1958: 12 7 5 2 13 7 6 0	505.3226000	505.3226721	-
0.0000721 -0.0002000 0.0000000	505.3226721	-0.0000721 0.5000	
1959: 12 7 6 2 13 7 7 0	505.3226000	505.3226721	-
0.0000721 -0.0002000 0.0000000	505.3226721	-0.0000721 0.5000	
1960: 13 7 6 2 14 7 7 0	504.6968000	504.6970113	-
0.0002113 -0.0002000 0.0000000	504.6970113	-0.0002113 0.5000	
1961: 13 7 7 2 14 7 8 0	504.6968000	504.6970113	-
0.0002113 -0.0002000 0.0000000	504.6970113	-0.0002113 0.5000	
1962: 14 7 7 2 15 7 8 0	504.0722000	504.0722663	-
0.0000663 -0.0002000 0.0000000	504.0722663	-0.0000663 0.5000	
1963: 14 7 8 2 15 7 9 0	504.0722000	504.0722663	-
0.0000663 -0.0002000 0.0000000	504.0722663	-0.0000663 0.5000	
1964: 15 7 8 2 16 7 9 0	503.4483000	503.4484384	-
0.0001384 -0.0002000 0.0000000	503.4484384	-0.0001384 0.5000	
1965: 15 7 9 2 16 7 10 0	503.4483000	503.4484384	-
0.0001384 -0.0002000 0.0000000	503.4484384	-0.0001384 0.5000	
1966: 16 7 9 2 17 7 10 0	502.8254000	502.8255291	-
0.0001291 -0.0002000 0.0000000	502.8255291	-0.0001291 0.5000	
1967: 16 7 10 2 17 7 11 0	502.8254000	502.8255291	-
0.0001291 -0.0002000 0.0000000	502.8255291	-0.0001291 0.5000	
1968: 17 7 10 2 18 7 11 0	502.2035000	502.2035394	-
0.0000394 -0.0002000 0.0000000	502.2035394	-0.0000394 0.5000	
1969: 17 7 11 2 18 7 12 0	502.2035000	502.2035394	-
0.0000394 -0.0002000 0.0000000	502.2035394	-0.0000394 0.5000	
1970: 18 7 11 2 19 7 12 0	501.5824000	501.5824706	-
0.0000706 -0.0002000 0.0000000	501.5824706	-0.0000706 0.5000	

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1971:	18	7	12	2	19	7	13	0		501.5824000	501.5824706	-
0.0000706	-0.0002000	0.0000000							501.5824706	-0.0000706	0.5000	
1972:	19	7	12	2	20	7	13	0		500.9622000	500.9623238	-
0.0001238	-0.0002000	0.0000000							500.9623238	-0.0001238	0.5000	
1973:	19	7	13	2	20	7	14	0		500.9622000	500.9623238	-
0.0001238	-0.0002000	0.0000000							500.9623238	-0.0001238	0.5000	
1974:	20	7	13	2	21	7	14	0		500.3430000	500.3431000	-
0.0001000	-0.0002000	0.0000000							500.3431000	-0.0001000	0.5000	
1975:	20	7	14	2	21	7	15	0		500.3430000	500.3431000	-
0.0001000	-0.0002000	0.0000000							500.3431000	-0.0001000	0.5000	
1976:	21	7	14	2	22	7	15	0		499.7247000	499.7248003	-
0.0001003	-0.0002000	0.0000000							499.7248003	-0.0001003	0.5000	
1977:	21	7	15	2	22	7	16	0		499.7247000	499.7248003	-
0.0001003	-0.0002000	0.0000000							499.7248003	-0.0001003	0.5000	
1978:	22	7	15	2	23	7	16	0		499.1074000	499.1074255	-
0.0000255	-0.0002000	0.0000000							499.1074255	-0.0000255	0.5000	
1979:	22	7	16	2	23	7	17	0		499.1074000	499.1074255	-
0.0000255	-0.0002000	0.0000000							499.1074255	-0.0000255	0.5000	
1980:	23	7	16	2	24	7	17	0		498.4909000	498.4909766	-
0.0000766	-0.0002000	0.0000000							498.4909766	-0.0000766	0.5000	
1981:	23	7	17	2	24	7	18	0		498.4909000	498.4909766	-
0.0000766	-0.0002000	0.0000000							498.4909766	-0.0000766	0.5000	
1982:	24	7	17	2	25	7	18	0		497.8754000	497.8754543	-
0.0000543	-0.0002000	0.0000000							497.8754543	-0.0000543	0.5000	
1983:	24	7	18	2	25	7	19	0		497.8754000	497.8754543	-
0.0000543	-0.0002000	0.0000000							497.8754543	-0.0000543	0.5000	
1984:	25	7	18	2	26	7	19	0		497.2608000	497.2608593	-
0.0000593	-0.0002000	0.0000000							497.2608593	-0.0000593	0.5000	
1985:	25	7	19	2	26	7	20	0		497.2608000	497.2608593	-
0.0000593	-0.0002000	0.0000000							497.2608593	-0.0000593	0.5000	
1986:	26	7	19	2	27	7	20	0		496.6471000	496.6471925	-
0.0000925	-0.0002000	0.0000000							496.6471925	-0.0000925	0.5000	
1987:	26	7	20	2	27	7	21	0		496.6471000	496.6471925	-
0.0000925	-0.0002000	0.0000000							496.6471925	-0.0000925	0.5000	
1988:	27	7	20	2	28	7	21	0		496.0344000	496.0344544	-
0.0000544	-0.0002000	0.0000000							496.0344544	-0.0000544	0.5000	
1989:	27	7	21	2	28	7	22	0		496.0344000	496.0344544	-
0.0000544	-0.0002000	0.0000000							496.0344544	-0.0000544	0.5000	
1990:	28	7	21	2	29	7	22	0		495.4227000	495.4226455	
0.0000545	-0.0002000	0.0000000							495.4226455	0.0000545	0.5000	
1991:	28	7	22	2	29	7	23	0		495.4227000	495.4226455	
0.0000545	-0.0002000	0.0000000							495.4226455	0.0000545	0.5000	
1992:	29	7	22	2	30	7	23	0		494.8118000	494.8117664	
0.0000336	-0.0002000	0.0000000							494.8117664	0.0000336	0.5000	
1993:	29	7	23	2	30	7	24	0		494.8118000	494.8117664	
0.0000336	-0.0002000	0.0000000							494.8117664	0.0000336	0.5000	
1994:	30	7	23	2	31	7	24	0		494.2018000	494.2018176	-
0.0000176	-0.0002000	0.0000000							494.2018176	-0.0000176	0.5000	
1995:	30	7	24	2	31	7	25	0		494.2018000	494.2018176	-
0.0000176	-0.0002000	0.0000000							494.2018176	-0.0000176	0.5000	
1996:	31	7	24	2	32	7	25	0		493.5928000	493.5927994	
0.0000006	-0.0002000	0.0000000							493.5927994	0.0000006	0.5000	
1997:	31	7	25	2	32	7	26	0		493.5928000	493.5927994	
0.0000006	-0.0002000	0.0000000							493.5927994	0.0000006	0.5000	
1998:	32	7	25	2	33	7	26	0		492.9847000	492.9847123	-
0.0000123	-0.0002000	0.0000000							492.9847123	-0.0000123	0.5000	
1999:	32	7	26	2	33	7	27	0		492.9847000	492.9847123	-
0.0000123	-0.0002000	0.0000000							492.9847123	-0.0000123	0.5000	
2000:	34	7	27	2	35	7	28	0		491.7713000	491.7713320	-
0.0000320	-0.0002000	0.0000000							491.7713320	-0.0000320	0.5000	

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2001:	34	7	28	2	35	7	29	0		491.7713000	491.7713320	-
0.0000320	-0.0002000	0.0000000		491.7713320	-0.0000320	0.5000						
2002:	35	7	28	2	36	7	29	0		491.1661000	491.1660392	
0.0000608	-0.0002000	0.0000000		491.1660392	0.0000608	0.5000						
2003:	35	7	29	2	36	7	30	0		491.1661000	491.1660392	
0.0000608	-0.0002000	0.0000000		491.1660392	0.0000608	0.5000						
2004:	36	7	29	2	37	7	30	0		490.5616000	490.5616783	-
0.0000783	-0.0002000	0.0000000		490.5616783	-0.0000783	0.5000						
2005:	36	7	30	2	37	7	31	0		490.5616000	490.5616783	-
0.0000783	-0.0002000	0.0000000		490.5616783	-0.0000783	0.5000						
2006:	37	7	30	2	38	7	31	0		489.9582000	489.9582493	-
0.0000493	-0.0002000	0.0000000		489.9582493	-0.0000493	0.5000						
2007:	37	7	31	2	38	7	32	0		489.9582000	489.9582493	-
0.0000493	-0.0002000	0.0000000		489.9582493	-0.0000493	0.5000						
2008:	38	7	31	2	39	7	32	0		489.3556000	489.3557521	-
0.0001521	-0.0002000	0.0000000		489.3557521	-0.0001521	0.5000						
2009:	38	7	32	2	39	7	33	0		489.3556000	489.3557521	-
0.0001521	-0.0002000	0.0000000		489.3557521	-0.0001521	0.5000						
2010:	39	7	32	2	40	7	33	0		488.7541000	488.7541867	-
0.0000867	-0.0002000	0.0000000		488.7541867	-0.0000867	0.5000						
2011:	39	7	33	2	40	7	34	0		488.7541000	488.7541867	-
0.0000867	-0.0002000	0.0000000		488.7541867	-0.0000867	0.5000						
2012:	40	7	33	2	41	7	34	0		488.1533000	488.1535531	-
0.0002531	-0.0002000	0.0000000										
2013:	42	7	35	2	43	7	36	0		486.9548000	486.9550805	-
0.0002805	-0.0002000	0.0000000		486.9550805	-0.0002805	0.5000						
2014:	42	7	36	2	43	7	37	0		486.9548000	486.9550805	-
0.0002805	-0.0002000	0.0000000		486.9550805	-0.0002805	0.5000						
2015:	43	7	36	2	44	7	37	0		486.3570000	486.3572410	-
0.0002410	-0.0002000	0.0000000		486.3572410	-0.0002410	0.5000						
2016:	43	7	37	2	44	7	38	0		486.3570000	486.3572410	-
0.0002410	-0.0002000	0.0000000		486.3572410	-0.0002410	0.5000						
2017:	44	7	37	2	45	7	38	0		485.7601000	485.7603324	-
0.0002324	-0.0002000	0.0000000		485.7603324	-0.0002324	0.5000						
2018:	44	7	38	2	45	7	39	0		485.7601000	485.7603324	-
0.0002324	-0.0002000	0.0000000		485.7603324	-0.0002324	0.5000						
2019:	45	7	38	2	46	7	39	0		485.1640000	485.1643543	-
0.0003543	-0.0002000	0.0000000		485.1643543	-0.0003543	0.5000						
2020:	45	7	39	2	46	7	40	0		485.1640000	485.1643543	-
0.0003543	-0.0002000	0.0000000		485.1643543	-0.0003543	0.5000						
2021:	46	7	39	2	47	7	40	0		484.5689000	484.5693062	-
0.0004062	-0.0002000	0.0000000		484.5693062	-0.0004062	0.5000						
2022:	46	7	40	2	47	7	41	0		484.5689000	484.5693062	-
0.0004062	-0.0002000	0.0000000		484.5693062	-0.0004062	0.5000						
2023:	47	7	40	2	48	7	41	0		483.9744000	483.9751879	-
0.0007879	-0.0002000	0.0000000		483.9751879	-0.0007879	0.5000						
2024:	47	7	41	2	48	7	42	0		483.9744000	483.9751879	-
0.0007879	-0.0002000	0.0000000		483.9751879	-0.0007879	0.5000						
2025:	48	7	41	2	49	7	42	0		483.3814000	483.3819987	-
0.0005987	-0.0002000	0.0000000										

NORMALIZED DIAGONAL:

1	1.00000E+000	2	1.00000E+000	3	1.00000E+000	4	1.00000E+000
5	1.00000E+000	6	1.00000E+000				
7	1.00000E+000	8	1.00000E+000	9	1.00000E+000	10	1.00000E+000
11	1.17029E-001	12	1.66438E-001				
13	1.23974E-002	14	7.10291E-001	15	1.92807E-001	16	7.22325E-001
17	1.00000E+000	18	1.00000E+000				
19	1.00000E+000	20	6.87208E-001	21	5.32694E-004	22	1.55589E-001
23	6.26427E-002	24	9.76390E-001				

Supplementary Material (ESI) for *Physical Chemistry Chemical Physics*  
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25 9.26049E-002 26 9.40998E-003 27 9.99923E-001 28 2.65783E-001  
 29 5.08442E-001 30 2.26331E-001  
 31 9.38176E-001 32 2.99244E-001  
 MARQUARDT PARAMETER = 0, TRUST EXPANSION = 1.00

ITERATION		NEW PARAMETER (EST. ERROR) -- CHANGE THIS		
1	10000	A	201445.32176269( 0)	0.00000000
2	20000	B	9663.140833918( 0)	-0.00000000
3	30000	C	9470.121246062( 0)	0.00000000
4	200	-DJ	-2.980628965( 0)E-03	-0.00000000E-03
5	1100	-DJK	-0.231927343( 0)	-0.00000000
6	2000	-DK	-10.030589195( 0)	0.00000000
7	40100	d1	-0.066158747( 0)E-03	-0.00000000E-03
8	2100	HKJ	-0.284138512( 0)E-03	-0.00000000E-03
9	1200	HJK	0.910407675( 0)E-06	-0.00000000E-06
10	11	E	12262590.73(183)	0.01
11	10011	A	195716.6(227)	0.2
12	20011	B	9698.198( 67)	0.000
13	30011	C	9482.266( 70)	-0.000
14	211	-DJ	-3.10611(166)E-03	-0.00000E-03
15	1111	-DJK	0.01815( 43)	0.00000
16	2011	-DK	-1.730( 71)	0.000
17	40111	d1	-0.066158747( 0)E-03	0.00000000E-03
18	2111	HKJ	-0.284138512( 0)E-03	-0.00000000E-03
19	1211	HJK	0.910407675( 0)E-06	-0.00000000E-06
20	22	E	13983950.31( 66)	0.00
21	10022	A	203836.3(228)	-0.2
22	20022	B	9670.8614( 99)	-0.0000
23	30022	C	9492.7085(102)	0.0000
24	222	-DJ	-3.00455( 66)E-03	0.00000E-03
25	1122	-DJK	-0.448839(190)	-0.000001
26	2022	-DK	-23.480( 69)	-0.000
27	40122	d1	-0.04895( 77)E-03	0.00000E-03
28	2122	HKJ	-0.2799( 53)E-03	-0.0000E-03
29	1222	HJK	0.553( 38)E-06	0.000E-06
30	200012	Ga	307575( 64)	0
31	201012	Ga	-88.00( 50)	0.00
32	210012	Ga	3.3644(259)	0.0001
MICROWAVE AVG =		0.000000 MHz,	IR AVG =	-0.00000
MICROWAVE RMS =		0.000000 MHz,	IR RMS =	0.00031
END OF ITERATION		1 OLD, NEW RMS ERROR=	1.54368	1.54368