

Final SiS data set. The first column gives the line number; the next eight represent the upper and lower state quantum numbers which are separated by a minus sign; column 10, 11 and 12 contain the experimental frequencies, the uncertainties and the residuals (observed frequency minus frequency calculated from the final set of spectroscopic parameters). Column 13 contains the weighting for the few overlapping lines (< 1) or the reference if the measurement is from a previous investigation.

The units are

- MHz, kHz, kHz for the pure rotational data
 - cm^{-1} , 10^{-3}cm^{-1} , 10^{-3}cm^{-1} for the rovibrational data
 (the minus sign for the uncertainties signals that the units are reciprocal centimetres)

The quantum numbers are J, v, F₁, F;

J = F₁ = F for isotopic species not involving (29)Si or (33)S and F₁ and F are redundant;

F₁ = F for isotopic species containing either (29)Si or (33)S and F is redundant and both F₁ and F are rounded up to the next integer;

F₁ is rounded up to the next integer isotopic species containing (29)Si and (33)S, F₁ = J + I(33S), F = F₁ + I(29Si)

Isotopic species with and without resolved hyperfine structure (hfs) were given different state numbers for keeping the line list short.

v is a state number that designates vibrational states AND isotopic species; the actual meaning depends on the definition of the parameters in the parameter file.

0 - 51	refer to (28)Si(32)S, v =	0 - 51
60 - 91	refer to (29)Si(32)S, v =	0 - 31
260 - 260	refer to (29)Si(32)S, v =	0 - 0 (no hfs)
100 - 133	refer to (30)Si(32)S, v =	0 - 33
140 - 156	refer to (28)Si(33)S, v =	0 - 16
261 - 261	refer to (28)Si(33)S, v =	0 - 0 (no hfs)
160 - 163	refer to (29)Si(33)S, v =	0 - 3
165 - 167	refer to (30)Si(33)S, v =	0 - 2
170 - 201	refer to (28)Si(34)S, v =	0 - 31
210 - 220	refer to (29)Si(34)S, v =	0 - 10
225 - 236	refer to (30)Si(34)S, v =	0 - 11
240 - 244	refer to (28)Si(36)S, v =	0 - 4
250 - 250	refer to (29)Si(36)S, v =	0 - 0
255 - 256	refer to (30)Si(36)S, v =	0 - 1

(28)Si(32)S

1:	1	0	1	1	-	0	0	0	0	18154.888	2.	2.01	22
2:	2	0	2	2	-	1	0	1	1	36309.627	2.	-1.71	22
3:	3	0	3	3	-	2	0	2	2	54464.081	4.	-3.86	17
4:	7	0	7	7	-	6	0	6	6	127076.186	10.	7.80	
5:	8	0	8	8	-	7	0	7	7	145227.053	10.	0.69	
6:	9	0	9	9	-	8	0	8	8	163376.785	10.	4.83	
7:	11	0	11	11	-	10	0	10	10	199672.229	10.	5.00	
8:	12	0	12	12	-	11	0	11	11	217817.663	10.	9.60	
9:	16	0	16	16	-	15	0	15	15	290380.757	10.	12.70	
10:	18	0	18	18	-	17	0	17	17	326649.109	10.	1.24	
11:	19	0	19	19	-	18	0	18	18	344779.481	10.	-11.48	
12:	20	0	20	20	-	19	0	19	19	362907.164	10.	9.17	
13:	21	0	21	21	-	20	0	20	20	381031.954	10.	2.50	
14:	22	0	22	22	-	21	0	21	21	399153.731	10.	-8.22	
15:	23	0	23	23	-	22	0	22	22	417272.368	10.	-6.70	
16:	24	0	24	24	-	23	0	23	23	435387.701	10.	-13.64	
17:	25	0	25	25	-	24	0	24	24	453499.631	20.	15.25	
18:	26	0	26	26	-	25	0	25	25	471607.935	10.	0.25	
19:	27	0	27	27	-	26	0	26	26	489712.524	10.	-4.35	

20:	28	0	28	28	-	27	0	27	27	507813.258	10.	4.75	
21:	29	0	29	29	-	28	0	28	28	525909.965	5.	-1.15	
22:	30	0	30	30	-	29	0	29	29	544002.518	5.	-5.77	
23:	31	0	31	31	-	30	0	30	30	562090.777	5.	-5.81	
24:	32	0	32	32	-	31	0	31	31	580174.604	10.	4.03	
25:	33	0	33	33	-	32	0	32	32	598253.828	5.	-3.97	
26:	34	0	34	34	-	33	0	33	33	616328.337	10.	1.51	
27:	36	0	36	36	-	35	0	35	35	652462.584	10.	0.07	
28:	37	0	37	37	-	36	0	36	36	670522.052	10.	9.76	
29:	38	0	38	38	-	37	0	37	37	688576.198	10.	-0.89	
30:	39	0	39	39	-	38	0	38	38	706624.908	10.	-2.56	
31:	40	0	40	40	-	39	0	39	39	724668.036	10.	2.04	
32:	41	0	41	41	-	40	0	40	40	742705.423	10.	-2.77	
33:	45	0	45	45	-	44	0	44	44	814794.795	20.	-16.03	
34:	46	0	46	46	-	45	0	45	45	832801.405	25.	9.69	
35:	47	0	47	47	-	46	0	46	46	850801.384	5.	-4.14	
36:	48	0	48	48	-	47	0	47	47	868794.650	5.	3.79	
37:	49	0	49	49	-	48	0	48	48	886781.041	10.	14.79	
38:	50	0	50	50	-	49	0	49	49	904760.377	10.	-7.82	
39:	51	0	51	51	-	50	0	50	50	922732.579	5.	0.28	
40:	1	1	1	1	-	0	1	0	0	18066.552	2.	0.27	22
41:	2	1	2	2	-	1	1	1	1	36132.959	2.	-1.04	22
42:	3	1	3	3	-	2	1	2	2	54199.084	7.	2.49	17
43:	47	1	47	47	-	46	1	46	46	846647.209	50.	-60.44	
44:	48	1	48	48	-	47	1	47	47	864552.040	20.	5.02	
45:	49	1	49	49	-	48	1	48	48	882449.940	30.	24.42	
46:	50	1	50	50	-	49	1	49	49	900340.716	50.	-51.78	
47:	51	1	51	51	-	50	1	50	50	918224.408	50.	-40.10	
48:	1	2	1	1	-	0	2	0	0	17978.209	2.	-0.27	22
49:	2	2	2	2	-	1	2	1	1	35956.274	2.	-0.99	22
50:	3	2	3	3	-	2	2	2	2	53934.052	9.	-1.58	17
51:	1	3	1	1	-	0	3	0	0	17889.855	2.	-0.70	22
52:	2	3	2	2	-	1	3	1	1	35779.567	2.	-0.68	22
53:	3	3	3	3	-	2	3	2	2	53668.993	9.	0.75	17
54:	1	4	1	1	-	0	4	0	0	17801.488	2.	0.05	22
55:	2	4	2	2	-	1	4	1	1	35602.830	2.	-2.03	22
56:	3	4	3	3	-	2	4	2	2	53403.889	30.	0.62	17
57:	1	5	1	1	-	0	5	0	0	17713.104	2.	1.13	22
58:	2	5	2	2	-	1	5	1	1	35426.061	2.	-0.71	22
59:	1	6	1	1	-	0	6	0	0	17624.699	2.	1.80	22
60:	2	6	2	2	-	1	6	1	1	35249.252	2.	1.78	22
61:	1	7	1	1	-	0	7	0	0	17536.269	2.	1.37	22
62:	2	7	2	2	-	1	7	1	1	35072.393	2.	2.10	22
63:	1	8	1	1	-	0	8	0	0	17447.813	2.	2.29	22
64:	2	8	2	2	-	1	8	1	1	34895.479	2.	2.11	22
65:	1	9	1	1	-	0	9	0	0	17359.325	2.	2.03	22
66:	2	9	2	2	-	1	9	1	1	34718.504	2.	2.78	22
67:	1	10	1	1	-	0	10	0	0	17270.802	2.	1.17	22
68:	2	10	2	2	-	1	10	1	1	34541.459	2.	2.25	22
69:	1	11	1	1	-	0	11	0	0	17182.240	2.	-0.67	22
70:	2	11	2	2	-	1	11	1	1	34364.336	2.	-0.24	22
71:	1	12	1	1	-	0	12	0	0	17093.638	2.	-0.80	22
72:	2	12	2	2	-	1	12	1	1	34187.133	2.	0.69	22
73:	1	13	1	1	-	0	13	0	0	17004.991	2.	-0.49	22
74:	2	13	2	2	-	1	13	1	1	34009.836	2.	-1.49	22
75:	1	14	1	1	-	0	14	0	0	16916.295	2.	0.05	22
76:	2	14	2	2	-	1	14	1	1	33832.443	2.	-1.19	22
77:	1	15	1	1	-	0	15	0	0	16827.544	2.	-1.33	22
78:	2	15	2	2	-	1	15	1	1	33654.945	2.	0.26	22
79:	1	16	1	1	-	0	16	0	0	16738.737	2.	-1.75	22
80:	2	16	2	2	-	1	16	1	1	33477.330	2.	-1.36	22
81:	1	17	1	1	-	0	17	0	0	16649.871	2.	-0.27	22
82:	2	17	2	2	-	1	17	1	1	33299.592	2.	-4.19	22
83:	1	18	1	1	-	0	18	0	0	16560.939	2.	0.06	22
84:	2	18	2	2	-	1	18	1	1	33121.731	2.	-0.29	22
85:	1	19	1	1	-	0	19	0	0	16471.937	2.	-0.72	22
86:	2	19	2	2	-	1	19	1	1	32943.727	2.	-1.63	22
87:	1	20	1	1	-	0	20	0	0	16382.863	2.	-0.57	22
88:	2	20	2	2	-	1	20	1	1	32765.577	2.	-3.07	22
89:	1	21	1	1	-	0	21	0	0	16293.713	2.	0.64	22
90:	2	21	2	2	-	1	21	1	1	32587.277	2.	-0.42	22

91:	1	22	1	1	-	0	22	0	0	16204.480	2.	0.04	22
92:	2	22	2	2	-	1	22	1	1	32408.812	2.	-0.37	22
93:	1	23	1	1	-	0	23	0	0	16115.162	2.	-0.17	22
94:	2	23	2	2	-	1	23	1	1	32230.176	2.	-0.52	22
95:	1	24	1	1	-	0	24	0	0	16025.755	2.	0.28	22
96:	2	24	2	2	-	1	24	1	1	32051.363	2.	1.63	22
97:	1	25	1	1	-	0	25	0	0	15936.254	2.	0.67	22
98:	2	25	2	2	-	1	25	1	1	31872.358	2.	-0.32	22
99:	1	26	1	1	-	0	26	0	0	15846.654	2.	0.38	22
100:	2	26	2	2	-	1	26	1	1	31693.160	2.	1.38	22
101:	1	27	1	1	-	0	27	0	0	15756.952	2.	0.84	22
102:	2	27	2	2	-	1	27	1	1	31513.755	2.	1.57	22
103:	1	28	1	1	-	0	28	0	0	15667.143	2.	1.53	22
104:	2	28	2	2	-	1	28	1	1	31334.137	2.	3.25	22
105:	1	29	1	1	-	0	29	0	0	15577.221	2.	1.05	22
106:	2	29	2	2	-	1	29	1	1	31154.292	2.	1.57	22
107:	1	30	1	1	-	0	30	0	0	15487.184	2.	2.04	22
108:	2	30	2	2	-	1	30	1	1	30974.218	2.	3.84	22
109:	1	31	1	1	-	0	31	0	0	15397.024	2.	1.25	22
110:	2	31	2	2	-	1	31	1	1	30793.898	2.	2.56	22
111:	1	32	1	1	-	0	32	0	0	15306.739	2.	1.52	22
112:	1	33	1	1	-	0	33	0	0	15216.322	2.	0.82	22
113:	2	33	2	2	-	1	33	1	1	30432.491	2.	-0.67	22
114:	1	34	1	1	-	0	34	0	0	15125.770	2.	1.22	22
115:	2	34	2	2	-	1	34	1	1	30251.386	2.	-0.57	22
116:	1	35	1	1	-	0	35	0	0	15035.075	2.	-0.09	22
117:	2	35	2	2	-	1	35	1	1	30069.997	2.	-1.87	22
118:	1	36	1	1	-	0	36	0	0	14944.234	2.	-0.77	22
119:	2	36	2	2	-	1	36	1	1	29888.316	2.	-1.89	22
120:	1	37	1	1	-	0	37	0	0	14853.241	2.	-1.31	22
121:	2	37	2	2	-	1	37	1	1	29706.328	2.	-4.65	22
122:	1	38	1	1	-	0	38	0	0	14762.091	2.	-1.07	22
123:	2	38	2	2	-	1	38	1	1	29524.027	2.	-4.84	22
124:	1	39	1	1	-	0	39	0	0	14670.776	2.	-2.21	22
125:	2	39	2	2	-	1	39	1	1	29341.399	2.	-4.78	22
126:	1	40	1	1	-	0	40	0	0	14579.293	2.	-1.71	22
127:	2	40	2	2	-	1	40	1	1	29158.431	2.	-5.42	22
128:	1	41	1	1	-	0	41	0	0	14487.634	2.	-1.32	22
129:	2	41	2	2	-	1	41	1	1	28975.111	2.	-6.29	22
130:	1	42	1	1	-	0	42	0	0	14395.795	2.	1.40	22
131:	2	42	2	2	-	1	42	1	1	28791.430	2.	-3.48	22
132:	1	43	1	1	-	0	43	0	0	14303.763	2.	0.15	22
133:	2	43	2	2	-	1	43	1	1	28607.369	2.	-2.61	22
134:	1	44	1	1	-	0	44	0	0	14211.536	2.	-0.11	22
135:	2	44	2	2	-	1	44	1	1	28422.917	2.	-0.76	22
136:	1	45	1	1	-	0	45	0	0	14119.109	2.	2.84	
137:	2	45	2	2	-	1	45	1	1	28238.060	2.	2.51	22
138:	1	46	1	1	-	0	46	0	0	14026.468	2.	2.52	
139:	2	46	2	2	-	1	46	1	1	28052.779	2.	3.25	22
140:	1	47	1	1	-	0	47	0	0	13933.610	2.	3.77	
141:	2	47	2	2	-	1	47	1	1	27867.061	2.	4.12	22
142:	1	48	1	1	-	0	48	0	0	13840.526	2.	5.73	
143:	2	48	2	2	-	1	48	1	1	27680.892	2.	7.45	22
144:	1	49	1	1	-	0	49	0	0	13747.203	2.	3.95	
145:	2	49	2	2	-	1	49	1	1	27494.245	2.	3.28	22
146:	1	50	1	1	-	0	50	0	0	13653.634	2.	0.31	
147:	2	50	2	2	-	1	50	1	1	27307.110	2.	-0.60	22
148:	1	51	1	1	-	0	51	0	0	13559.811	2.	-3.89	
149:	2	51	2	2	-	1	51	1	1	27119.463	2.	-9.60	22

(29)Si(32)S

150:	1	60	2	2	-	0	60	1	1	17821.296	2.	1.23	22
151:	1	60	1	1	-	0	60	1	1	17821.315	2.	-1.47	22
152:	2	60	3	3	-	1	60	2	2	35642.457	2.	-1.71	22
153:	2	60	2	2	-	1	60	1	1	35642.475	2.	1.82	22
154:	3	260	3	3	-	2	260	2	2	53463.348	8.	-5.78	17
155:	19	260	19	19	-	18	260	18	18	338447.360	10.	7.88	
156:	20	260	20	20	-	19	260	19	19	356242.429	10.	5.94	
157:	21	260	21	21	-	20	260	20	20	374034.726	10.	-6.82	
158:	22	260	22	22	-	21	260	21	21	391824.150	10.	6.67	
159:	23	260	23	23	-	22	260	22	22	409610.522	10.	5.48	

160:	24	260	24	24	-	23	260	23	23	427393.722	10.	7.66	
161:	28	260	28	28	-	27	260	27	27	498491.992	10.	1.45	
162:	29	260	29	29	-	28	260	28	28	516257.241	10.	0.51	
163:	30	260	30	30	-	29	260	29	29	534018.487	10.	0.34	
164:	31	260	31	31	-	30	260	30	30	551775.589	10.	-1.97	
165:	32	260	32	32	-	31	260	31	31	569528.423	10.	7.63	
166:	47	260	47	47	-	46	260	46	46	835213.297	20.	-2.82	
167:	48	260	48	48	-	47	260	47	47	852878.865	20.	-2.06	
168:	49	260	49	49	-	48	260	48	48	870537.798	30.	-9.01	
169:	50	260	50	50	-	49	260	49	49	888189.994	10.	12.42	
170:	1	61	2	2	-	0	61	1	1	17735.389	2.	2.02	22
171:	1	61	1	1	-	0	61	1	1	17735.409	2.	0.31	22
172:	2	61	3	3	-	1	61	2	2	35470.639	2.	-4.01	22
173:	2	61	2	2	-	1	61	1	1	35470.658	2.	0.52	22
174:	1	62	2	2	-	0	62	1	1	17649.472	2.	0.65	22
175:	1	62	1	1	-	0	62	1	1	17649.492	2.	-1.06	22
176:	2	62	3	3	-	1	62	2	2	35298.809	2.	-2.61	22
177:	2	62	2	2	-	1	62	1	1	35298.826	2.	-0.08	22
178:	1	63	2	2	-	0	63	1	1	17563.546	2.	0.93	22
179:	1	63	1	1	-	0	63	1	1	17563.566	2.	-0.77	22
180:	2	63	3	3	-	1	63	2	2	35126.959	2.	0.10	22
181:	2	63	2	2	-	1	63	1	1	35126.977	2.	3.63	22
182:	1	64	2	2	-	0	64	1	1	17477.604	2.	-1.22	22
183:	1	64	1	1	-	0	64	1	1	17477.625	2.	-1.93	22
184:	2	64	3	3	-	1	64	2	2	34955.076	2.	-3.07	22
185:	2	64	2	2	-	1	64	1	1	34955.094	2.	0.46	22
186:	1	65	2	2	-	0	65	1	1	17391.650	2.	1.19	22
187:	1	65	1	1	-	0	65	1	1	17391.671	2.	0.49	22
188:	2	65	3	3	-	1	65	2	2	34783.166	2.	-0.09	22
189:	2	65	2	2	-	1	65	1	1	34783.184	2.	3.44	22
190:	1	66	2	2	-	0	66	1	1	17305.676	2.	3.27	22
191:	1	66	1	1	-	0	66	1	1	17305.694	2.	-0.43	22
192:	2	66	3	3	-	1	66	2	2	34611.215	2.	1.23	22
193:	2	66	2	2	-	1	66	1	1	34611.230	2.	1.76	22
194:	1	67	2	2	-	0	67	1	1	17219.676	2.	2.20	22
195:	1	67	1	1	-	0	67	1	1	17219.696	2.	0.50	22
196:	2	67	3	3	-	1	67	2	2	34439.215	2.	-0.74	22
197:	2	67	2	2	-	1	67	1	1	34439.234	2.	3.79	22
198:	1	68	2	2	-	0	68	1	1	17133.650	2.	1.25	22
199:	1	68	1	1	-	0	68	1	1	17133.671	2.	0.54	22
200:	2	68	3	3	-	1	68	2	2	34267.166	2.	0.51	22
201:	2	68	2	2	-	1	68	1	1	34267.184	2.	4.04	22
202:	1	69	2	2	-	0	69	1	1	17047.597	2.	2.73	22
203:	1	69	1	1	-	0	69	1	1	17047.617	2.	1.02	22
204:	2	69	3	3	-	1	69	2	2	34095.059	2.	2.64	22
205:	2	69	2	2	-	1	69	1	1	34095.074	2.	3.17	22
206:	1	70	2	2	-	0	70	1	1	16961.509	2.	2.04	22
207:	1	70	1	1	-	0	70	1	1	16961.528	2.	-0.66	22
208:	2	70	3	3	-	1	70	2	2	33922.885	2.	3.45	22
209:	2	70	2	2	-	1	70	1	1	33922.900	2.	3.98	22
210:	1	71	2	2	-	0	71	1	1	16875.386	2.	2.65	22
211:	1	71	1	1	-	0	71	1	1	16875.407	2.	1.95	22
212:	2	71	3	3	-	1	71	2	2	33750.635	2.	0.85	22
213:	2	71	2	2	-	1	71	1	1	33750.652	2.	3.39	22
214:	1	72	2	2	-	0	72	1	1	16789.222	2.	2.07	22
215:	1	72	1	1	-	0	72	1	1	16789.241	2.	-0.64	22
216:	2	72	3	3	-	1	72	2	2	33578.307	2.	-0.13	22
217:	2	72	2	2	-	1	72	1	1	33578.324	2.	2.40	22
218:	1	73	2	2	-	0	73	1	1	16703.015	2.	1.85	22
219:	1	73	1	1	-	0	73	1	1	16703.034	2.	-0.85	22
220:	2	73	3	3	-	1	73	2	2	33405.893	2.	-0.37	22
221:	2	73	2	2	-	1	73	1	1	33405.908	2.	0.16	22
222:	1	74	2	2	-	0	74	1	1	16616.759	2.	-0.38	22
223:	1	74	1	1	-	0	74	1	1	16616.780	2.	-1.09	22
224:	2	74	3	3	-	1	74	2	2	33233.383	2.	-2.64	22
225:	2	74	2	2	-	1	74	1	1	33233.402	2.	1.89	22
226:	1	75	2	2	-	0	75	1	1	16530.455	2.	0.02	22
227:	1	75	1	1	-	0	75	1	1	16530.476	2.	-0.68	22
228:	2	75	3	3	-	1	75	2	2	33060.774	2.	-2.63	22
229:	2	75	2	2	-	1	75	1	1	33060.791	2.	-0.09	22
230:	1	76	2	2	-	0	76	1	1	16444.096	2.	-0.23	22

231:	1	76	1	1	-	0	76	1	1	16444.115	2.	-2.93	22
232:	2	76	3	3	-	1	76	2	2	32888.055	2.	-3.91	22
233:	2	76	2	2	-	1	76	1	1	32888.074	2.	0.62	22
234:	1	77	2	2	-	0	77	1	1	16357.679	2.	-0.38	22
235:	1	77	1	1	-	0	77	1	1	16357.699	2.	-2.09	22
236:	2	77	3	3	-	1	77	2	2	32715.223	2.	-2.02	22
237:	2	77	2	2	-	1	77	1	1	32715.240	2.	0.52	22
238:	1	78	2	2	-	0	78	1	1	16271.200	2.	-0.66	22
239:	1	78	1	1	-	0	78	1	1	16271.221	2.	-1.37	22
240:	2	78	3	3	-	1	78	2	2	32542.265	2.	-2.36	22
241:	2	78	2	2	-	1	78	1	1	32542.284	2.	2.17	22
242:	1	79	2	2	-	0	79	1	1	16184.657	2.	0.76	22
243:	1	79	1	1	-	0	79	1	1	16184.675	2.	-2.94	22
244:	2	79	3	3	-	1	79	2	2	32369.177	2.	-1.29	22
245:	2	79	2	2	-	1	79	1	1	32369.193	2.	0.24	22
246:	1	80	2	2	-	0	80	1	1	16098.042	2.	-0.24	22
247:	1	80	1	1	-	0	80	1	1	16098.061	2.	-2.95	22
248:	2	80	3	3	-	1	80	2	2	32195.947	2.	-3.06	22
249:	2	80	2	2	-	1	80	1	1	32195.967	2.	2.47	22
250:	1	81	2	2	-	0	81	1	1	16011.356	2.	1.24	22
251:	1	81	1	1	-	0	81	1	1	16011.374	2.	-2.46	22
252:	2	81	3	3	-	1	81	2	2	32022.573	2.	-1.86	22
253:	2	81	2	2	-	1	81	1	1	32022.590	2.	0.67	22
254:	1	82	2	2	-	0	82	1	1	15924.590	2.	0.16	22
255:	1	82	1	1	-	0	82	1	1	15924.609	2.	-2.54	22
256:	2	82	3	3	-	1	82	2	2	31849.043	2.	-1.78	22
257:	2	82	2	2	-	1	82	1	1	31849.062	2.	2.75	22
258:	1	83	2	2	-	0	83	1	1	15837.743	2.	-0.48	22
259:	1	83	1	1	-	0	83	1	1	15837.763	2.	-2.18	22
260:	2	83	3	3	-	1	83	2	2	31675.352	2.	0.18	22
261:	2	83	2	2	-	1	83	1	1	31675.369	2.	2.71	22
262:	1	84	2	2	-	0	84	1	1	15750.811	2.	-0.64	
263:	1	84	1	1	-	0	84	1	1	15750.834	2.	0.66	
264:	2	84	3	3	-	1	84	2	2	31501.487	2.	-0.89	22
265:	2	84	2	2	-	1	84	1	1	31501.506	2.	3.65	22
266:	1	85	2	2	-	0	85	1	1	15663.790	2.	-0.21	
267:	1	85	1	1	-	0	85	1	1	15663.813	2.	1.09	
268:	2	85	3	3	-	1	85	2	2	31327.444	2.	-0.78	22
269:	2	85	2	2	-	1	85	1	1	31327.463	2.	3.75	22
270:	1	86	2	2	-	0	86	1	1	15576.677	2.	1.95	
271:	1	86	1	1	-	0	86	1	1	15576.697	2.	0.25	
272:	2	86	3	3	-	1	86	2	2	31153.215	2.	0.80	22
273:	2	86	2	2	-	1	86	1	1	31153.232	2.	3.33	22
274:	1	87	2	2	-	0	87	1	1	15489.465	2.	3.06	
275:	1	87	1	1	-	0	87	1	1	15489.480	2.	-3.64	
276:	2	87	3	3	-	1	87	2	2	30978.788	2.	0.28	22
277:	2	87	2	2	-	1	87	1	1	30978.806	2.	3.81	22
278:	1	88	2	2	-	0	88	1	1	15402.147	2.	0.39	
279:	1	88	1	1	-	0	88	1	1	15402.168	2.	-0.31	
280:	2	88	3	3	-	1	88	2	2	30804.158	2.	1.22	22
281:	2	88	2	2	-	1	88	1	1	30804.174	2.	2.75	22
282:	2	89	3	3	-	1	89	2	2	30629.315	2.	2.31	22
283:	2	89	2	2	-	1	89	1	1	30629.331	2.	3.84	22
284:	1	90	2	2	-	0	90	1	1	15227.192	2.	0.20	
285:	1	90	1	1	-	0	90	1	1	15227.212	2.	-1.50	
286:	1	91	2	2	-	0	91	1	1	15139.546	2.	2.61	
287:	1	91	1	1	-	0	91	1	1	15139.567	2.	1.90	

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288:	1	100	1	1	-	0	100	0	0	17510.647	2.	2.32	
289:	2	100	2	2	-	1	100	1	1	35021.156	2.	-0.09	
290:	3	100	3	3	-	2	100	2	2	52531.408	12.	7.07	17
291:	20	100	20	20	-	19	100	19	19	350035.636	10.	5.01	
292:	21	100	21	21	-	20	100	20	20	367518.292	10.	5.25	
293:	22	100	22	22	-	21	100	21	21	384998.147	10.	3.41	
294:	23	100	23	23	-	22	100	22	22	402475.070	10.	1.78	
295:	24	100	24	24	-	23	100	23	23	419948.938	10.	10.63	
296:	25	100	25	25	-	24	100	24	24	437419.589	10.	1.25	
297:	29	100	29	29	-	28	100	28	28	507267.575	10.	-0.74	
298:	30	100	30	30	-	29	100	29	29	524720.246	10.	3.09	
299:	31	100	31	31	-	30	100	30	30	542168.910	10.	-1.56	

300:	32	100	32	32	-	31	100	31	31	559613.449	10.	0.59
301:	33	100	33	33	-	32	100	32	32	577053.717	10.	-3.16
302:	50	100	50	50	-	49	100	49	49	872756.595	20.	-19.01
303:	51	100	51	51	-	50	100	50	50	890097.332	50.	12.29
304:	53	100	53	53	-	52	100	52	52	924758.180	20.	-24.18
305:	1	101	1	1	-	0	101	0	0	17426.975	2.	-1.19
306:	2	101	2	2	-	1	101	1	1	34853.816	2.	-2.97
307:	3	101	3	3	-	2	101	2	2	52280.392	40.	-2.94
308:	1	102	1	1	-	0	102	0	0	17343.299	2.	-1.15
309:	2	102	2	2	-	1	102	1	1	34686.467	2.	0.24
310:	1	103	1	1	-	0	103	0	0	17259.611	2.	-2.89
311:	2	103	2	2	-	1	103	1	1	34519.096	2.	1.90
312:	1	104	1	1	-	0	104	0	0	17175.914	2.	-0.62
313:	2	104	2	2	-	1	104	1	1	34351.695	2.	-0.43
314:	1	105	1	1	-	0	105	0	0	17092.199	2.	-0.48
315:	2	105	2	2	-	1	105	1	1	34184.264	2.	-1.00
316:	1	106	1	1	-	0	106	0	0	17008.467	2.	1.51
317:	2	106	2	2	-	1	106	1	1	34016.795	2.	-1.88
318:	1	107	1	1	-	0	107	0	0	16924.711	2.	1.37
319:	2	107	2	2	-	1	107	1	1	33849.287	2.	2.01
320:	1	108	1	1	-	0	108	0	0	16840.930	2.	1.24
321:	2	108	2	2	-	1	108	1	1	33681.723	2.	-0.10
322:	1	109	1	1	-	0	109	0	0	16757.120	2.	0.28
323:	2	109	2	2	-	1	109	1	1	33514.105	2.	0.15
324:	1	110	1	1	-	0	110	0	0	16673.279	2.	-0.25
325:	2	110	2	2	-	1	110	1	1	33346.428	2.	4.25
326:	1	111	1	1	-	0	111	0	0	16589.406	2.	1.94
327:	2	111	2	2	-	1	111	1	1	33178.674	2.	0.82
328:	1	112	1	1	-	0	112	0	0	16505.491	2.	0.22
329:	2	112	2	2	-	1	112	1	1	33010.846	2.	-0.45
330:	1	113	1	1	-	0	113	0	0	16421.536	2.	-0.01
331:	2	113	2	2	-	1	113	1	1	32842.936	2.	-0.73
332:	1	114	1	1	-	0	114	0	0	16337.536	2.	-0.30
333:	2	114	2	2	-	1	114	1	1	32674.936	2.	-1.12
334:	1	115	1	1	-	0	115	0	0	16253.487	2.	-1.16
335:	2	115	2	2	-	1	115	1	1	32506.839	2.	-1.64
336:	1	116	1	1	-	0	116	0	0	16169.387	2.	-1.03
337:	2	116	2	2	-	1	116	1	1	32338.638	2.	-2.19
338:	1	117	1	1	-	0	117	0	0	16085.231	2.	-1.36
339:	2	117	2	2	-	1	117	1	1	32170.326	2.	-2.64
340:	1	118	1	1	-	0	118	0	0	16001.016	2.	-1.51
341:	2	118	2	2	-	1	118	1	1	32001.897	2.	-1.73
342:	1	119	1	1	-	0	119	0	0	15916.738	2.	-1.83
343:	2	119	2	2	-	1	119	1	1	31833.339	2.	-4.15
344:	1	120	1	1	-	0	120	0	0	15832.395	2.	-0.62
345:	1	121	1	1	-	0	121	0	0	15747.979	2.	-2.16
346:	2	121	2	2	-	1	121	1	1	31495.822	2.	-3.38
347:	1	122	1	1	-	0	122	0	0	15663.491	2.	-1.66
348:	2	122	2	2	-	1	122	1	1	31326.845	2.	-3.15
349:	1	123	1	1	-	0	123	0	0	15578.926	2.	-0.30
350:	1	124	1	1	-	0	124	0	0	15494.277	2.	-1.23
351:	1	125	1	1	-	0	125	0	0	15409.544	2.	-0.52
352:	1	126	1	1	-	0	126	0	0	15324.721	2.	-0.23
353:	1	127	1	1	-	0	127	0	0	15239.805	2.	0.67
354:	1	128	1	1	-	0	128	0	0	15154.791	2.	1.26
355:	1	129	1	1	-	0	129	0	0	15069.674	2.	0.68
356:	1	130	1	1	-	0	130	0	0	14984.452	2.	1.14
357:	1	131	1	1	-	0	131	0	0	14899.118	2.	-0.07
358:	1	132	1	1	-	0	132	0	0	14813.671	2.	0.44
359:	1	133	1	1	-	0	133	0	0	14728.104	2.	0.12

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(28)Si(33)S

360:	1	140	1	1	-	0	140	2	2	17895.651	2.	0.89
361:	1	140	3	3	-	0	140	2	2	17897.869	2.	0.52
362:	1	140	2	2	-	0	140	2	2	17900.591	2.	1.93
363:	2	140	1	1	-	1	140	2	2	35791.721	2.	2.17
364:	2	140	2	2	-	1	140	2	2	35794.469	2.	1.48
365:	2	140	3	3	-	1	140	2	2	35796.438	2.	-2.61
366:	2	140	4	4	-	1	140	3	3	35796.447	2.	-0.63
367:	2	140	1	1	-	1	140	1	1	35796.662	2.	4.21
368:	2	140	2	2	-	1	140	3	3	35797.189	2.	0.88

369:	2	140	3	3	-	1	140	3	3	35799.162	2.	0.80
370:	2	140	2	2	-	1	140	1	1	35799.408	2.	1.52
371:	19	261	19	19	-	18	261	18	18	339910.961	10.	8.54
372:	20	261	20	20	-	19	261	19	19	357782.913	10.	13.84
373:	21	261	21	21	-	20	261	20	20	375652.058	10.	-2.70
374:	22	261	22	22	-	21	261	21	21	393518.302	10.	4.19
375:	23	261	23	23	-	22	261	22	22	411381.484	10.	12.76
376:	24	261	24	24	-	23	261	23	23	429241.455	10.	13.29
377:	28	261	28	28	-	27	261	27	27	500646.511	10.	2.16
378:	29	261	29	29	-	28	261	28	28	518488.381	10.	5.40
379:	30	261	30	30	-	29	261	29	29	536326.203	10.	-0.81
380:	31	261	31	31	-	30	261	30	30	554159.839	10.	-15.20
381:	32	261	32	32	-	31	261	31	31	571989.185	10.	-2.52
382:	1	141	1	1	-	0	141	2	2	17809.245	2.	-0.36
383:	1	141	3	3	-	0	141	2	2	17811.413	2.	-1.21
384:	1	141	2	2	-	0	141	2	2	17814.074	2.	1.09
385:	2	141	1	1	-	1	141	2	2	35618.895	2.	-1.83
386:	2	141	2	2	-	1	141	2	2	35621.586	2.	2.38
387:	2	141	3	3	-	1	141	2	2	35623.508	2.	-4.50
388:	2	141	4	4	-	1	141	3	3	35623.520	2.	0.48
389:	2	141	1	1	-	1	141	1	1	35623.723	2.	-1.38
390:	2	141	2	2	-	1	141	3	3	35624.244	2.	1.68
391:	2	141	3	3	-	1	141	3	3	35626.170	2.	-1.19
392:	2	141	2	2	-	1	141	1	1	35626.410	2.	-1.17
393:	1	142	1	1	-	0	142	2	2	17722.832	2.	-0.12
394:	1	142	3	3	-	0	142	2	2	17724.950	2.	-1.91
395:	1	142	2	2	-	0	142	2	2	17727.549	2.	-0.27
396:	2	142	1	1	-	1	142	2	2	35446.053	2.	-4.96
397:	2	142	2	2	-	1	142	2	2	35448.684	2.	0.59
398:	2	142	3	3	-	1	142	2	2	35450.564	2.	-4.48
399:	2	142	4	4	-	1	142	3	3	35450.576	2.	0.50
400:	2	142	1	1	-	1	142	1	1	35450.773	2.	-2.10
401:	2	142	2	2	-	1	142	3	3	35451.279	2.	-1.77
402:	2	142	3	3	-	1	142	3	3	35453.166	2.	0.16
403:	2	142	2	2	-	1	142	1	1	35453.400	2.	-0.55
404:	1	143	1	1	-	0	143	2	2	17636.406	2.	-1.56
405:	1	143	3	3	-	0	143	2	2	17638.478	2.	-0.73
406:	1	143	2	2	-	0	143	2	2	17641.015	2.	-0.32
407:	2	143	2	2	-	1	143	2	2	35275.760	2.	-1.22
408:	2	143	3	3	-	1	143	2	2	35277.603	2.	0.11
409:	2	143	4	4	-	1	143	3	3	35277.609	2.	-0.91
410:	2	143	1	1	-	1	143	1	1	35277.805	2.	0.69
411:	2	143	3	3	-	1	143	3	3	35280.139	2.	-0.48
412:	2	143	2	2	-	1	143	1	1	35280.367	2.	-1.98
413:	1	144	1	1	-	0	144	2	2	17549.970	2.	1.26
414:	1	144	3	3	-	0	144	2	2	17551.993	2.	1.25
415:	1	144	2	2	-	0	144	2	2	17554.469	2.	0.88
416:	2	144	2	2	-	1	144	2	2	35102.811	2.	-0.17
417:	2	144	3	3	-	1	144	2	2	35104.607	2.	-2.85
418:	2	144	4	4	-	1	144	3	3	35104.617	2.	0.13
419:	2	144	1	1	-	1	144	1	1	35104.807	2.	0.90
420:	2	144	3	3	-	1	144	3	3	35107.086	2.	-0.22
421:	2	144	2	2	-	1	144	1	1	35107.311	2.	0.45
422:	1	145	1	1	-	0	145	2	2	17463.512	2.	-0.61
423:	1	145	3	3	-	0	145	2	2	17465.487	2.	-0.90
424:	1	145	2	2	-	0	145	2	2	17467.904	2.	-0.63
425:	2	145	2	2	-	1	145	2	2	34929.826	2.	-1.19
426:	2	145	3	3	-	1	145	2	2	34931.580	2.	-3.26
427:	2	145	4	4	-	1	145	3	3	34931.592	2.	1.72
428:	2	145	1	1	-	1	145	1	1	34931.779	2.	4.60
429:	2	145	3	3	-	1	145	3	3	34933.998	2.	-1.99
430:	2	145	2	2	-	1	145	1	1	34934.219	2.	-0.21
431:	1	146	1	1	-	0	146	2	2	17377.035	2.	-1.04
432:	1	146	3	3	-	0	146	2	2	17378.964	2.	-0.07
433:	1	146	2	2	-	0	146	2	2	17381.321	2.	-0.71
434:	2	146	2	2	-	1	146	2	2	34756.801	2.	-2.00
435:	2	146	3	3	-	1	146	2	2	34758.514	2.	-2.87
436:	2	146	4	4	-	1	146	3	3	34758.525	2.	1.11
437:	2	146	1	1	-	1	146	1	1	34758.701	2.	-1.95
438:	2	146	3	3	-	1	146	3	3	34760.875	2.	0.49
439:	2	146	2	2	-	1	146	1	1	34761.090	2.	1.34

440:	1	147	1	1	-	0	147	2	2	17290.535	2.	-0.82	
441:	1	147	3	3	-	0	147	2	2	17292.419	2.	1.97	
442:	1	147	2	2	-	0	147	2	2	17294.717	2.	0.86	
443:	2	147	2	2	-	1	147	2	2	34583.734	2.	1.84	
444:	2	147	3	3	-	1	147	2	2	34585.402	2.	-2.24	
445:	2	147	4	4	-	1	147	3	3	34585.414	2.	2.74	
446:	2	147	1	1	-	1	147	1	1	34585.588	2.	2.70	
447:	2	147	3	3	-	1	147	3	3	34587.703	2.	-0.36	
448:	2	147	2	2	-	1	147	1	1	34587.910	2.	-2.49	
449:	1	148	1	1	-	0	148	2	2	17204.009	2.	0.36	
450:	1	148	3	3	-	0	148	2	2	17205.846	2.	2.51	
451:	1	148	2	2	-	0	148	2	2	17208.085	2.	0.36	
452:	2	148	2	2	-	1	148	2	2	34410.605	2.	-3.09	
453:	2	148	3	3	-	1	148	2	2	34412.246	2.	2.63	0.3446
454:	2	148	4	4	-	1	148	3	3	34412.246	2.	2.63	0.6554
455:	2	148	1	1	-	1	148	1	1	34412.414	2.	-0.87	
456:	2	148	3	3	-	1	148	3	3	34414.482	2.	2.07	
457:	2	148	2	2	-	1	148	1	1	34414.680	2.	-4.09	
458:	1	149	1	1	-	0	149	2	2	17117.452	2.	0.86	
459:	1	149	3	3	-	0	149	2	2	17119.240	2.	-0.07	
460:	1	149	2	2	-	0	149	2	2	17121.425	2.	1.17	
461:	2	149	2	2	-	1	149	2	2	34237.426	2.	1.95	
462:	2	149	3	3	-	1	149	2	2	34239.016	2.	2.26	
463:	2	149	4	4	-	1	149	3	3	34239.025	2.	4.24	
464:	2	149	3	3	-	1	149	3	3	34241.197	2.	-0.50	
465:	2	149	2	2	-	1	149	1	1	34241.395	2.	-1.73	
466:	1	150	1	1	-	0	150	2	2	17030.860	2.	0.11	
467:	1	150	3	3	-	0	150	2	2	17032.604	2.	0.64	
468:	1	150	2	2	-	0	150	2	2	17034.730	2.	-0.28	
469:	2	150	3	3	-	1	150	2	2	34065.721	2.	-1.27	
470:	2	150	4	4	-	1	150	3	3	34065.730	2.	0.72	
471:	1	151	1	1	-	0	151	2	2	16944.231	2.	-0.39	
472:	1	151	3	3	-	0	151	2	2	16945.932	2.	2.16	
473:	1	151	2	2	-	0	151	2	2	16948.002	2.	1.51	
474:	1	152	1	1	-	0	152	2	2	16857.562	2.	-0.08	
475:	1	152	3	3	-	0	152	2	2	16859.217	2.	1.03	
476:	1	152	2	2	-	0	152	2	2	16861.229	2.	-1.91	
477:	1	153	1	1	-	0	153	2	2	16770.849	2.	0.62	
478:	1	153	3	3	-	0	153	2	2	16772.459	2.	0.85	
479:	1	153	2	2	-	0	153	2	2	16774.416	2.	-1.93	
480:	1	154	1	1	-	0	154	2	2	16684.087	2.	0.39	
481:	1	154	3	3	-	0	154	2	2	16685.652	2.	-0.71	
482:	1	154	2	2	-	0	154	2	2	16687.559	2.	1.09	
483:	1	155	1	1	-	0	155	2	2	16597.272	2.	-1.08	
484:	1	155	3	3	-	0	155	2	2	16598.796	2.	0.03	
485:	1	155	2	2	-	0	155	2	2	16600.647	2.	-0.15	
486:	1	156	1	1	-	0	156	2	2	16510.403	2.	-1.04	
487:	1	156	3	3	-	0	156	2	2	16511.883	2.	-1.17	
488:	1	156	2	2	-	0	156	2	2	16513.683	2.	1.12	

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489:	1	160	1	0	-	0	160	2	1	17562.050	2.	0.12	
490:	1	160	1	1	-	0	160	2	2	17562.061	2.	1.80	
491:	1	160	3	3	-	0	160	2	2	17564.268	2.	0.25	
492:	1	160	3	2	-	0	160	2	1	17564.284	2.	-1.02	
493:	1	160	2	2	-	0	160	2	2	17566.993	2.	-0.52	
494:	1	160	2	1	-	0	160	2	1	17567.003	2.	2.34	
495:	2	160	3	3	-	1	160	2	2	35129.250	2.	-0.72	
496:	2	160	4	4	-	1	160	3	3	35129.262	2.	3.13	
497:	2	160	3	2	-	1	160	2	1	35129.275	2.	1.91	0.3199
498:	2	160	4	3	-	1	160	3	2	35129.275	2.	1.91	0.6801
499:	2	160	1	1	-	1	160	1	1	35129.469	2.	1.71	
500:	2	160	1	1	-	1	160	1	0	35129.482	2.	5.40	
501:	2	160	1	0	-	1	160	1	1	35129.494	2.	-1.37	
502:	2	160	1	1	-	1	160	2	1	35124.539	2.	1.67	0.1279
503:	2	160	1	1	-	1	160	2	2	35124.539	2.	1.67	0.6197
504:	2	160	1	0	-	1	160	2	1	35124.539	2.	1.67	0.2524
505:	2	160	2	2	-	1	160	2	2	35127.281	2.	-4.86	0.6418
506:	2	160	2	1	-	1	160	2	1	35127.281	2.	-4.86	0.3582
507:	2	160	3	3	-	1	160	3	3	35131.975	2.	-1.49	
508:	2	160	3	2	-	1	160	3	2	35131.988	2.	2.07	

509:	2	160	2	2	-	1	160	1	1	35132.215	2.	0.34	
510:	2	160	2	1	-	1	160	1	1	35132.232	2.	-5.23	
511:	2	160	2	1	-	1	160	1	0	35132.246	2.	-0.54	
512:	1	161	1	0	-	0	161	2	1	17478.050	2.	-3.66	
513:	1	161	1	1	-	0	161	2	2	17478.063	2.	0.03	
514:	1	161	3	3	-	0	161	2	2	17480.222	2.	-0.47	
515:	1	161	3	2	-	0	161	2	1	17480.240	2.	0.26	
516:	1	161	2	2	-	0	161	2	2	17482.886	2.	-0.92	
517:	1	161	2	1	-	0	161	2	1	17482.895	2.	0.94	
518:	2	161	2	2	-	1	161	2	2	34959.217	2.	-2.71	0.6413
519:	2	161	2	1	-	1	161	2	1	34959.217	2.	-2.71	0.3587
520:	2	161	3	3	-	1	161	2	2	34961.135	2.	-5.76	
521:	2	161	4	4	-	1	161	3	3	34961.146	2.	-2.91	
522:	2	161	3	2	-	1	161	2	1	34961.164	2.	0.86	0.3200
523:	2	161	4	3	-	1	161	3	2	34961.164	2.	0.86	0.6800
524:	2	161	1	1	-	1	161	1	1	34961.352	2.	-0.07	
525:	2	161	1	1	-	1	161	1	0	34961.363	2.	1.61	
526:	2	161	1	0	-	1	161	1	1	34961.375	2.	-5.16	
527:	2	161	3	3	-	1	161	3	3	34963.801	2.	-4.21	
528:	2	161	3	2	-	1	161	3	2	34963.816	2.	1.35	
529:	1	162	1	1	-	0	162	2	2	17394.059	2.	0.40	
530:	1	162	3	3	-	0	162	2	2	17396.169	2.	-0.49	
531:	1	162	3	2	-	0	162	2	1	17396.185	2.	-1.75	
532:	1	162	2	2	-	0	162	2	2	17398.771	2.	-2.16	
533:	1	162	2	1	-	0	162	2	1	17398.783	2.	2.70	
534:	1	163	3	3	-	0	163	2	2	17312.109	2.	2.91	
535:	1	163	3	2	-	0	163	2	1	17312.120	2.	-3.36	

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536:	1	165	1	1	-	0	165	2	2	17251.393	2.	2.11	
537:	1	165	3	3	-	0	165	2	2	17253.609	2.	0.30	
538:	1	165	2	2	-	0	165	2	2	17256.333	2.	2.51	
539:	2	165	1	1	-	1	165	2	2	34503.213	2.	3.03	
540:	2	165	2	2	-	1	165	2	2	34505.959	2.	0.15	
541:	2	165	3	3	-	1	165	2	2	34507.934	2.	-2.15	0.3445
542:	2	165	4	4	-	1	165	3	3	34507.934	2.	-2.15	0.6555
543:	2	165	1	1	-	1	165	1	1	34508.152	2.	2.43	
544:	2	165	2	2	-	1	165	3	3	34508.682	2.	1.35	
545:	2	165	3	3	-	1	165	3	3	34510.654	2.	0.50	
546:	2	165	2	2	-	1	165	1	1	34510.896	2.	-2.46	
547:	1	166	1	1	-	0	166	2	2	17169.617	2.	-0.08	
548:	1	166	3	3	-	0	166	2	2	17171.786	2.	-0.26	
549:	1	166	2	2	-	0	166	2	2	17174.448	2.	0.73	
550:	2	166	2	2	-	1	166	2	2	34342.340	2.	1.83	
551:	2	166	3	3	-	1	166	2	2	34344.264	2.	-3.61	
552:	2	166	4	4	-	1	166	3	3	34344.273	2.	-1.39	
553:	2	166	3	3	-	1	166	3	3	34346.928	2.	-0.62	
554:	2	166	2	2	-	1	166	1	1	34347.172	2.	3.64	
555:	1	167	1	1	-	0	167	2	2	17087.835	2.	-0.42	
556:	1	167	3	3	-	0	167	2	2	17089.955	2.	-1.42	
557:	1	167	2	2	-	0	167	2	2	17092.558	2.	0.81	
558:	2	167	2	2	-	1	167	2	2	34178.699	2.	-3.46	
559:	2	167	3	3	-	1	167	2	2	34180.584	2.	-4.88	
560:	2	167	4	4	-	1	167	3	3	34180.596	2.	0.35	
561:	2	167	3	3	-	1	167	3	3	34183.186	2.	-3.65	

(28)Si(34)S

562:	1	170	1	1	-	0	170	0	0	17657.707	2.	-0.76	22
563:	2	170	2	2	-	1	170	1	1	35315.281	2.	1.00	22
564:	3	170	3	3	-	2	170	2	2	52972.575	8.	-6.17	17
565:	19	170	19	19	-	18	170	18	18	335341.951	10.	9.07	
566:	20	170	20	20	-	19	170	19	19	352973.907	10.	8.32	
567:	21	170	21	21	-	20	170	20	20	370603.151	10.	6.21	
568:	22	170	22	22	-	21	170	21	21	388229.552	10.	7.29	
569:	23	170	23	23	-	22	170	22	22	405852.971	10.	8.10	
570:	24	170	24	24	-	23	170	23	23	423473.269	10.	5.17	
571:	28	170	28	28	-	27	170	27	27	493920.585	10.	0.87	
572:	29	170	29	29	-	28	170	28	28	511523.272	10.	6.35	
573:	31	170	31	31	-	30	170	30	30	546716.701	10.	-0.63	
574:	32	170	32	32	-	31	170	31	31	564307.184	10.	-1.01	
575:	33	170	33	33	-	32	170	32	32	581893.337	10.	5.75	

576:	47	170	47	47	-	46	170	46	46	827568.069	30.	-2.90	
577:	48	170	48	48	-	47	170	47	47	845072.848	30.	-47.05	
578:	49	170	49	49	-	48	170	48	48	862571.222	30.	9.80	
579:	51	170	51	51	-	50	170	50	50	897547.802	30.	15.72	
580:	1	171	1	1	-	0	171	0	0	17572.982	2.	0.37	22
581:	2	171	2	2	-	1	171	1	1	35145.826	2.	-1.61	22
582:	3	171	3	3	-	2	171	2	2	52718.402	30.	-0.27	17
583:	1	172	1	1	-	0	172	0	0	17488.247	2.	-0.82	22
584:	2	172	2	2	-	1	172	1	1	34976.359	2.	-0.84	22
585:	1	173	1	1	-	0	173	0	0	17403.505	2.	1.42	22
586:	2	173	2	2	-	1	173	1	1	34806.871	2.	-0.22	22
587:	1	174	1	1	-	0	174	0	0	17318.744	2.	-2.07	22
588:	2	174	2	2	-	1	174	1	1	34637.356	2.	-0.06	22
589:	1	175	1	1	-	0	175	0	0	17233.972	2.	-0.36	22
590:	2	175	2	2	-	1	175	1	1	34467.807	2.	-1.49	22
591:	1	176	1	1	-	0	176	0	0	17149.180	2.	0.58	22
592:	2	176	2	2	-	1	176	1	1	34298.221	2.	-1.46	22
593:	1	177	1	1	-	0	177	0	0	17064.366	2.	1.86	22
594:	2	177	2	2	-	1	177	1	1	34128.592	2.	0.25	22
595:	1	178	1	1	-	0	178	0	0	16979.524	2.	0.66	22
596:	2	178	2	2	-	1	178	1	1	33958.910	2.	0.01	22
597:	1	179	1	1	-	0	179	0	0	16894.657	2.	3.23	22
598:	2	179	2	2	-	1	179	1	1	33789.172	2.	1.32	22
599:	1	180	1	1	-	0	180	0	0	16809.754	2.	1.88	22
600:	2	180	2	2	-	1	180	1	1	33619.367	2.	-0.19	22
601:	1	181	1	1	-	0	181	0	0	16724.816	2.	1.00	22
602:	2	181	2	2	-	1	181	1	1	33449.492	2.	-0.77	22
603:	1	182	1	1	-	0	182	0	0	16639.841	2.	2.02	22
604:	2	182	2	2	-	1	182	1	1	33279.539	2.	-1.57	22
605:	1	183	1	1	-	0	183	0	0	16554.820	2.	-0.60	22
606:	2	183	2	2	-	1	183	1	1	33109.506	2.	2.39	22
607:	1	184	1	1	-	0	184	0	0	16469.758	2.	1.69	22
608:	2	184	2	2	-	1	184	1	1	32939.373	2.	-1.84	22
609:	1	185	1	1	-	0	185	0	0	16384.642	2.	-0.55	22
610:	2	185	2	2	-	1	185	1	1	32769.147	2.	-0.13	22
611:	1	186	1	1	-	0	186	0	0	16299.476	2.	0.30	22
612:	2	186	2	2	-	1	186	1	1	32598.812	2.	-1.23	22
613:	1	187	1	1	-	0	187	0	0	16214.252	2.	-0.11	22
614:	2	187	2	2	-	1	187	1	1	32428.363	2.	-2.83	22
615:	1	188	1	1	-	0	188	0	0	16128.967	2.	-1.07	22
616:	2	188	2	2	-	1	188	1	1	32257.796	2.	-1.54	22
617:	1	189	1	1	-	0	189	0	0	16043.620	2.	0.15	22
618:	2	189	2	2	-	1	189	1	1	32087.098	2.	-2.88	22
619:	1	190	1	1	-	0	190	0	0	15958.202	2.	-1.67	22
620:	2	190	2	2	-	1	190	1	1	31916.266	2.	-2.30	22
621:	1	191	1	1	-	0	191	0	0	15872.716	2.	0.28	22
622:	2	191	2	2	-	1	191	1	1	31745.291	2.	-1.17	22
623:	1	192	1	1	-	0	192	0	0	15787.151	2.	-1.13	22
624:	2	192	2	2	-	1	192	1	1	31574.163	2.	-1.76	22
625:	1	193	1	1	-	0	193	0	0	15701.509	2.	-0.01	22
626:	2	193	2	2	-	1	193	1	1	31402.878	2.	-0.27	22
627:	1	194	1	1	-	0	194	0	0	15615.782	2.	-0.39	22
628:	2	194	2	2	-	1	194	1	1	31231.423	2.	-1.80	22
629:	1	195	1	1	-	0	195	0	0	15529.969	2.	0.71	22
630:	2	195	2	2	-	1	195	1	1	31059.798	2.	1.65	22
631:	1	196	1	1	-	0	196	0	0	15444.065	2.	2.35	22
632:	2	196	2	2	-	1	196	1	1	30887.986	2.	1.18	22
633:	1	197	1	1	-	0	197	0	0	15358.064	2.	2.63	22
634:	2	197	2	2	-	1	197	1	1	30715.982	2.	0.01	22
635:	2	198	2	2	-	1	198	1	1	30543.780	2.	0.48	22
636:	2	199	2	2	-	1	199	1	1	30371.370	2.	1.07	22
637:	2	200	2	2	-	1	200	1	1	30198.744	2.	2.41	22
638:	2	201	2	2	-	1	201	1	1	30025.891	2.	2.27	22

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639:	1	210	2	2	-	0	210	1	1	17324.099	2.	0.29	
640:	1	210	1	1	-	0	210	1	1	17324.120	2.	0.19	
641:	1	211	2	2	-	0	211	1	1	17241.766	2.	0.75	
642:	1	211	1	1	-	0	211	1	1	17241.786	2.	-0.35	
643:	2	211	3	3	-	1	211	2	2	34483.404	2.	-2.96	
644:	1	212	2	2	-	0	212	1	1	17159.423	2.	-1.43	

645:	1	212	1	1	-	0	212	1	1	17159.444	2.	-1.53
646:	1	213	2	2	-	0	213	1	1	17077.072	2.	-1.64
647:	1	213	1	1	-	0	213	1	1	17077.093	2.	-1.74
648:	1	214	2	2	-	0	214	1	1	16994.710	2.	-0.17
649:	1	214	1	1	-	0	214	1	1	16994.730	2.	-1.27
650:	2	214	3	3	-	1	214	2	2	33989.295	2.	-1.41
651:	1	215	2	2	-	0	215	1	1	16912.330	2.	-1.23
652:	1	215	1	1	-	0	215	1	1	16912.353	2.	0.67
653:	2	215	3	3	-	1	215	2	2	33824.539	2.	0.61
654:	1	216	2	2	-	0	216	1	1	16829.933	2.	-0.94
655:	1	216	1	1	-	0	216	1	1	16829.954	2.	-1.04
656:	2	216	3	3	-	1	216	2	2	33659.744	2.	0.35
657:	1	217	2	2	-	0	217	1	1	16747.516	2.	0.67
658:	1	217	1	1	-	0	217	1	1	16747.537	2.	0.57
659:	2	217	3	3	-	1	217	2	2	33494.908	2.	1.71
660:	1	218	2	2	-	0	218	1	1	16665.073	2.	0.62
661:	1	218	1	1	-	0	218	1	1	16665.095	2.	1.52
662:	2	218	3	3	-	1	218	2	2	33330.022	2.	1.77
663:	1	219	2	2	-	0	219	1	1	16582.602	2.	0.01
664:	1	219	1	1	-	0	219	1	1	16582.625	2.	1.91
665:	2	219	3	3	-	1	219	2	2	33165.081	2.	1.71
666:	1	220	2	2	-	0	220	1	1	16500.102	2.	0.99
667:	1	220	1	1	-	0	220	1	1	16500.124	2.	1.90

(30)Si(34)S

668:	1	225	1	1	-	0	225	0	0	17013.434	2.	2.51
669:	2	225	2	2	-	1	225	1	1	34026.736	2.	-1.17
670:	1	226	1	1	-	0	226	0	0	16933.306	2.	0.46
671:	2	226	2	2	-	1	226	1	1	33866.486	2.	0.85
672:	1	227	1	1	-	0	227	0	0	16853.171	2.	-1.52
673:	2	227	2	2	-	1	227	1	1	33706.217	2.	-2.00
674:	1	228	1	1	-	0	228	0	0	16773.029	2.	-0.95
675:	2	228	2	2	-	1	228	1	1	33545.936	2.	2.27
676:	1	229	1	1	-	0	229	0	0	16692.875	2.	-0.24
677:	2	229	2	2	-	1	229	1	1	33385.623	2.	-1.17
678:	1	230	1	1	-	0	230	0	0	16612.705	2.	-0.71
679:	2	230	2	2	-	1	230	1	1	33225.282	2.	-2.98
680:	1	231	1	1	-	0	231	0	0	16532.520	2.	1.38
681:	2	231	2	2	-	1	231	1	1	33064.908	2.	-2.67
682:	1	232	1	1	-	0	232	0	0	16452.312	2.	0.85
683:	2	232	2	2	-	1	232	1	1	32904.496	2.	0.42
684:	1	233	1	1	-	0	233	0	0	16372.081	2.	0.60
685:	1	234	1	1	-	0	234	0	0	16291.824	2.	0.58
686:	2	234	2	2	-	1	234	1	1	32583.521	2.	1.17
687:	1	235	1	1	-	0	235	0	0	16211.538	2.	0.80
688:	2	235	2	2	-	1	235	1	1	32422.945	2.	-2.22
689:	1	236	1	1	-	0	236	0	0	16131.219	2.	0.33

(28)Si(36)S

690:	1	240	1	1	-	0	240	0	0	17214.975	2.	1.60
691:	2	240	2	2	-	1	240	1	1	34429.816	2.	-1.99
692:	1	241	1	1	-	0	241	0	0	17133.419	2.	1.36
693:	2	241	2	2	-	1	241	1	1	34266.707	2.	0.65
694:	1	242	1	1	-	0	242	0	0	17051.855	2.	0.38
695:	2	242	2	2	-	1	242	1	1	34103.576	2.	-4.19
696:	1	243	1	1	-	0	243	0	0	16970.282	2.	0.22
697:	2	243	2	2	-	1	243	1	1	33940.432	2.	-2.38
698:	1	244	1	1	-	0	244	0	0	16888.697	2.	0.55
699:	2	244	2	2	-	1	244	1	1	33777.266	2.	2.41

(29)Si(36)S

700:	1	250	2	2	-	0	250	1	1	16881.349	2.	0.74
701:	1	250	1	1	-	0	250	1	1	16881.370	2.	1.18
702:	2	250	3	3	-	1	250	2	2	33762.578	2.	-1.52
703:	2	250	2	2	-	1	250	1	1	33762.594	2.	0.77

(30)Si(36)S

704:	1	255	1	1	-	0	255	0	0	16570.667	2.	1.41
705:	2	255	2	2	-	1	255	1	1	33141.213	2.	1.16
706:	1	256	1	1	-	0	256	0	0	16493.652	2.	1.19

INFRARED (ROVIBRATIONAL) DATA

1) from Birk an Jones

(28)Si(32)S

707:	112	1	112	112	-	113	0	113	113	658.5159	-1.0	-1.8390
708:	108	1	108	108	-	109	0	109	109	662.1280	-1.0	-1.0032
709:	104	1	104	104	-	105	0	105	105	665.7000	-1.0	-0.9866
710:	96	1	96	96	-	97	0	97	97	672.7263	-1.0	0.2670
711:	93	1	93	93	-	94	0	94	94	675.3191	-1.0	-0.0966
712:	92	1	92	92	-	93	0	93	93	676.1785	-1.0	-0.0528
713:	88	1	88	88	-	89	0	89	89	679.5896	-1.0	-1.1052
714:	84	1	84	84	-	85	0	85	85	682.9613	-1.0	-0.9143
715:	80	1	80	80	-	81	0	81	81	686.2922	-1.0	-0.6026
716:	79	1	79	79	-	80	0	80	80	687.1193	-1.0	0.2769
717:	66	1	66	66	-	67	0	67	67	697.6230	-1.0	-0.5673
718:	62	1	62	62	-	63	0	63	63	700.7666	-1.0	0.0635
719:	58	1	58	58	-	59	0	59	59	703.8670	-1.0	-0.0314
720:	53	1	53	53	-	54	0	54	54	707.6826	-1.0	0.1170
721:	48	1	48	48	-	49	0	49	49	711.4291	-1.0	-1.4560
722:	43	1	43	43	-	44	0	44	44	715.1110	-1.0	0.3166
723:	38	1	38	38	-	39	0	39	39	718.7220	-1.0	-0.2951
724:	33	1	33	33	-	34	0	34	34	722.2635	-1.0	-1.3176
725:	28	1	28	28	-	29	0	29	29	725.7391	-1.0	1.4254
726:	23	1	23	23	-	24	0	24	24	729.1404	-1.0	0.1133
727:	22	1	22	22	-	23	0	23	23	729.8124	-1.0	0.0714
728:	18	1	18	18	-	19	0	19	19	732.4724	-1.0	0.3284
729:	17	1	17	17	-	18	0	18	18	733.1295	-1.0	-0.3778
730:	16	1	16	16	-	17	0	17	17	733.7851	-1.0	0.2771
731:	13	1	13	13	-	14	0	14	14	735.7316	-1.0	-0.8439
732:	12	1	12	12	-	13	0	13	13	736.3750	-1.0	-0.8971
733:	11	1	11	11	-	12	0	12	12	737.0162	-1.0	-0.2656
734:	6	1	6	6	-	7	0	7	7	740.1769	-1.0	1.0285
735:	5	1	5	5	-	4	0	4	4	747.4594	-1.0	-0.7693
736:	6	1	6	6	-	5	0	5	5	748.0476	-1.0	-0.4002
737:	25	1	25	25	-	24	0	24	24	758.6454	-1.0	-0.5748
738:	26	1	26	26	-	25	0	25	25	759.1723	-1.0	-1.0804
739:	27	1	27	27	-	26	0	26	26	759.6975	-1.0	-0.2137
740:	28	1	28	28	-	27	0	27	27	760.2184	-1.0	-0.5696
741:	35	1	35	35	-	34	0	34	34	763.7810	-1.0	-0.1836
742:	36	1	36	36	-	35	0	35	35	764.2770	-1.0	-0.6440
743:	43	1	43	43	-	42	0	42	42	767.6656	-1.0	0.4183
744:	94	1	94	94	-	93	0	93	93	787.5667	-1.0	-1.0475
745:	95	1	95	95	-	94	0	94	94	787.8708	-1.0	-0.5812
746:	96	1	96	96	-	95	0	95	95	788.1716	-1.0	0.0083
747:	107	2	107	107	-	108	1	108	108	658.1773	-1.0	-1.7845
748:	106	2	106	106	-	107	1	107	107	659.0699	-1.0	-0.5046
749:	99	2	99	99	-	100	1	100	100	665.2391	-1.0	-1.3134
750:	91	2	91	91	-	92	1	92	92	672.1414	-1.0	-0.7459
751:	87	2	87	87	-	88	1	88	88	675.5317	-1.0	-0.7818
752:	86	2	86	86	-	87	1	87	87	676.3730	-1.0	-0.7139
753:	82	2	82	82	-	83	1	83	83	679.7124	-1.0	-0.7058
754:	78	2	78	78	-	79	1	79	79	683.0125	-1.0	1.0699
755:	74	2	74	74	-	75	1	75	75	686.2688	-1.0	0.3925
756:	73	2	73	73	-	74	1	74	74	687.0759	-1.0	-0.2585
757:	60	2	60	60	-	61	1	61	61	697.3382	-1.0	0.0466
758:	56	2	56	56	-	57	1	57	57	700.4054	-1.0	-0.1726
759:	55	2	55	55	-	56	1	56	56	701.1672	-1.0	1.4661
760:	51	2	51	51	-	52	1	52	52	704.1798	-1.0	0.3296
761:	46	2	46	46	-	47	1	47	47	707.8868	-1.0	1.0433
762:	41	2	41	41	-	42	1	42	42	711.5233	-1.0	-0.5636
763:	36	2	36	36	-	37	1	37	37	715.0928	-1.0	-0.4200
764:	31	2	31	31	-	32	1	32	32	718.5935	-1.0	0.2484
765:	26	2	26	26	-	27	1	27	27	722.0226	-1.0	-0.7810
766:	21	2	21	21	-	22	1	22	22	725.3840	-1.0	0.9724
767:	20	2	20	20	-	21	1	21	21	726.0486	-1.0	2.1523
768:	15	2	15	15	-	16	1	16	16	729.3202	-1.0	-0.5444
769:	14	2	14	14	-	15	1	15	15	729.9668	-1.0	-0.2101
770:	10	2	10	10	-	11	1	11	11	732.5215	-1.0	-1.7704
771:	9	2	9	9	-	10	1	10	10	733.1548	-1.0	-0.3112
772:	4	2	4	4	-	5	1	5	5	736.2702	-1.0	-0.5331
773:	3	2	3	3	-	4	1	4	4	736.8842	-1.0	-0.9078

774:	2	2	2	2	-	1	1	1	740.5097	-1.0	-0.0073
775:	14	2	14	14	-	13	1	13	747.4385	-1.0	-0.0780
776:	15	2	15	15	-	14	1	14	747.9967	-1.0	0.1935
777:	16	2	16	16	-	15	1	15	748.5518	-1.0	0.3841
778:	35	2	35	35	-	34	1	34	758.5135	-1.0	-1.0669
779:	36	2	36	36	-	35	1	35	759.0070	-1.0	-1.0665
780:	38	2	38	38	-	37	1	37	759.9870	-1.0	1.3058
781:	46	2	46	46	-	45	1	45	763.7698	-1.0	-0.7193
782:	47	2	47	47	-	46	1	46	764.2287	-1.0	-0.7004
783:	54	2	54	54	-	53	1	53	767.3521	-1.0	-0.2267
784:	55	2	55	55	-	54	1	54	767.7855	-1.0	-0.1497
785:	56	2	56	56	-	55	1	55	768.2153	-1.0	-0.4553
786:	86	2	86	86	-	85	1	85	779.5968	-1.0	-0.6551
787:	114	2	114	114	-	113	1	113	787.4800	-1.0	-0.4761
788:	115	2	115	115	-	114	1	114	787.7103	-1.0	-1.2743
789:	116	2	116	116	-	115	1	115	787.9384	-1.0	-0.7399
790:	117	2	117	117	-	116	1	116	788.1633	-1.0	0.1325
791:	101	3	101	101	-	102	2	102	658.6302	-1.0	-1.0976
792:	97	3	97	97	-	98	2	98	662.1093	-1.0	-1.3083
793:	93	3	93	93	-	94	2	94	665.5490	-1.0	-0.8734
794:	85	3	85	85	-	86	2	86	672.3070	-1.0	-0.1752
795:	81	3	81	81	-	82	2	82	675.6244	-1.0	-0.2618
796:	80	3	80	80	-	81	2	81	676.4482	-1.0	0.5847
797:	76	3	76	76	-	77	2	77	679.7124	-1.0	-1.2261
798:	72	3	72	72	-	73	2	73	682.9385	-1.0	0.3582
799:	68	3	68	68	-	69	2	69	686.1202	-1.0	-0.6814
800:	67	3	67	67	-	68	2	68	686.9107	-1.0	0.6943
801:	58	3	58	58	-	59	2	59	693.8928	-1.0	-0.3005
802:	53	3	53	53	-	54	2	54	697.6791	-1.0	-0.1420
803:	49	3	49	49	-	50	2	50	700.6601	-1.0	0.4416
804:	44	3	44	44	-	45	2	45	704.3245	-1.0	0.4173
805:	39	3	39	39	-	40	2	40	707.9212	-1.0	1.1086
806:	34	3	34	34	-	35	2	35	711.4464	-1.0	-0.7123
807:	18	3	18	18	-	19	2	19	722.2635	-1.0	0.2408
808:	13	3	13	13	-	14	2	14	725.4955	-1.0	1.2886
809:	12	3	12	12	-	13	2	13	726.1328	-1.0	1.0210
810:	7	3	7	7	-	8	2	8	729.2757	-1.0	-0.5429
811:	6	3	6	6	-	7	2	7	729.8961	-1.0	-0.3277
812:	2	3	2	2	-	3	2	3	732.3462	-1.0	-1.7820
813:	1	3	1	1	-	2	2	2	732.9538	-1.0	0.2496
814:	0	3	0	0	-	1	2	1	733.5564	-1.0	0.2187
815:	4	3	4	4	-	3	2	3	736.5246	-1.0	-0.5043
816:	5	3	5	5	-	4	2	4	737.1094	-1.0	-0.6090
817:	11	3	11	11	-	10	2	10	740.5572	-1.0	0.3261
818:	24	3	24	24	-	23	2	23	747.6526	-1.0	-0.5583
819:	25	3	25	25	-	24	2	24	748.1772	-1.0	-0.5183
820:	46	3	46	46	-	45	2	45	758.4767	-1.0	-0.3406
821:	47	3	47	47	-	46	2	46	758.9322	-1.0	-0.7492
822:	49	3	49	49	-	48	2	48	759.8347	-1.0	-0.5274
823:	58	3	58	58	-	57	2	57	763.7360	-1.0	-1.0876
824:	59	3	59	59	-	58	2	58	764.1538	-1.0	-0.7271
825:	67	3	67	67	-	66	2	66	767.3775	-1.0	0.4825
826:	68	3	68	68	-	67	2	67	767.7649	-1.0	-0.2238
827:	69	3	69	69	-	68	2	68	768.1500	-1.0	0.0549
828:	104	3	104	104	-	103	2	103	779.5086	-1.0	-0.0591
829:	147	3	147	147	-	146	2	146	787.6061	-2.0	-4.2727
830:	149	3	149	149	-	148	2	148	787.8213	-2.0	-2.2116
831:	150	3	150	150	-	149	2	149	787.9220	-2.0	-2.4938
832:	96	4	96	96	-	97	3	97	658.1042	-1.0	-2.0826
833:	95	4	95	95	-	96	3	96	658.9639	-1.0	-0.5567
834:	87	4	87	87	-	88	3	88	665.7385	-1.0	-0.5566
835:	79	4	79	79	-	80	3	80	672.3506	-1.0	-0.0914
836:	75	4	75	75	-	76	3	76	675.5941	-1.0	-0.6055
837:	74	4	74	74	-	75	3	75	676.3990	-1.0	-0.2239
838:	70	4	70	70	-	71	3	71	679.5896	-1.0	-1.6261
839:	66	4	66	66	-	67	3	67	682.7408	-1.0	-0.5023
840:	62	4	62	62	-	63	3	63	685.8499	-1.0	0.7306
841:	61	4	61	61	-	62	3	62	686.6194	-1.0	-0.1077
842:	60	4	60	60	-	61	3	61	687.3875	-1.0	0.3143
843:	47	4	47	47	-	48	3	48	697.1230	-1.0	0.1296
844:	46	4	46	46	-	47	3	47	697.8525	-1.0	-0.3323

845:	42	4	42	42	-	43	3	43	43	700.7459	-1.0	0.5449
846:	37	4	37	37	-	38	3	38	38	704.2998	-1.0	0.6147
847:	32	4	32	32	-	33	3	33	33	707.7842	-1.0	0.4121
848:	21	4	21	21	-	22	3	22	22	715.2036	-1.0	0.2140
849:	10	4	10	10	-	11	3	11	11	722.2781	-1.0	-0.8318
850:	4	4	4	4	-	5	3	5	5	725.9923	-1.0	1.2329
851:	1	4	1	1	-	0	3	0	0	729.5967	-1.0	-1.2481
852:	6	4	6	6	-	5	3	5	5	732.5215	-1.0	-1.0341
853:	7	4	7	7	-	6	3	6	6	733.0976	-1.0	-0.9411
854:	8	4	8	8	-	7	3	7	7	733.6720	-1.0	0.4333
855:	12	4	12	12	-	11	3	11	11	735.9330	-1.0	-0.7592
856:	13	4	13	13	-	12	3	12	12	736.4910	-1.0	-0.8056
857:	14	4	14	14	-	13	3	13	13	737.0458	-1.0	-1.0416
858:	20	4	20	20	-	19	3	19	19	740.3144	-1.0	0.8343
859:	21	4	21	21	-	20	3	20	20	740.8471	-1.0	-0.2922
860:	34	4	34	34	-	33	3	33	33	747.5076	-1.0	-0.2410
861:	35	4	35	35	-	34	3	34	34	747.9967	-1.0	-1.8260
862:	36	4	36	36	-	35	3	35	35	748.4860	-1.0	-0.0924
863:	58	4	58	58	-	57	3	57	57	758.4146	-1.0	1.2234
864:	59	4	59	59	-	58	3	58	58	758.8272	-1.0	-0.6261
865:	61	4	61	61	-	60	3	60	60	759.6459	-1.0	-1.1005
866:	62	4	62	62	-	61	3	61	61	760.0502	-1.0	-1.5151
867:	72	4	72	72	-	71	3	71	71	763.9180	-1.0	-0.9716
868:	73	4	73	73	-	72	3	72	72	764.2875	-1.0	-0.0946
869:	82	4	82	82	-	81	3	81	81	767.4562	-1.0	0.6721
870:	84	4	84	84	-	83	3	83	83	768.1232	-1.0	0.5043
871:	90	5	90	90	-	91	4	91	91	658.3347	-1.0	-2.7115
872:	89	5	89	89	-	90	4	90	90	659.1781	-1.0	0.5468
873:	81	5	81	81	-	82	4	82	82	665.8061	-1.0	-0.8404
874:	73	5	73	73	-	74	4	74	74	672.2717	-1.0	0.0428
875:	69	5	69	69	-	70	4	70	70	675.4412	-1.0	-0.3678
876:	68	5	68	68	-	69	4	69	69	676.2266	-1.0	-0.8929
877:	55	5	55	55	-	56	4	56	56	686.2019	-1.0	-1.6906
878:	54	5	54	54	-	55	4	55	55	686.9535	-1.0	1.2063
879:	40	5	40	40	-	41	4	41	41	697.1493	-1.0	-0.0938
880:	39	5	39	39	-	40	4	40	40	697.8563	-1.0	-0.9376
881:	35	5	35	35	-	36	4	36	36	700.6601	-1.0	-0.8626
882:	30	5	30	30	-	31	4	31	31	704.1036	-1.0	0.5391
883:	19	5	19	19	-	20	4	20	20	711.4291	-1.0	0.8112
884:	13	5	13	13	-	14	4	14	14	715.2788	-1.0	0.0506
885:	2	5	2	2	-	3	4	3	3	722.0665	-1.0	-1.2657
886:	1	5	1	1	-	2	4	2	2	722.6663	-1.0	-1.1415
887:	3	5	3	3	-	2	4	2	2	725.6235	-1.0	1.8550
888:	4	5	4	4	-	3	4	3	3	726.2052	-1.0	1.5829
889:	10	5	10	10	-	9	4	9	9	729.6323	-1.0	-0.6636
890:	15	5	15	15	-	14	4	14	14	732.4064	-1.0	-1.9931
891:	16	5	16	16	-	15	4	15	15	732.9538	-1.0	-0.6360
892:	17	5	17	17	-	16	4	16	16	733.4983	-1.0	0.8469
893:	22	5	22	22	-	21	4	21	21	736.1670	-1.0	0.0180
894:	23	5	23	23	-	22	4	22	22	736.6911	-1.0	-0.6420
895:	24	5	24	24	-	23	4	23	23	737.2133	-1.0	-0.1419
896:	30	5	30	30	-	29	4	29	29	740.2799	-1.0	0.7960
897:	45	5	45	45	-	44	4	44	44	747.4544	-1.0	0.9103
898:	46	5	46	46	-	45	4	45	45	747.9063	-1.0	-0.3116
899:	47	5	47	47	-	46	4	46	46	748.3564	-1.0	-0.1587
900:	72	5	72	72	-	71	4	71	71	758.5577	-1.0	-0.8070
901:	73	5	73	73	-	72	4	72	72	758.9238	-1.0	-0.3145
902:	76	5	76	76	-	75	4	75	75	759.9998	-1.0	-1.2342
903:	87	5	87	87	-	86	4	86	86	763.6913	-1.0	-0.9993
904:	88	5	88	88	-	87	4	87	87	764.0074	-1.0	-0.2500
905:	89	5	89	89	-	88	4	88	88	764.3192	-1.0	-0.4079
906:	100	5	100	100	-	99	4	99	99	767.5251	-1.0	-0.5874
907:	102	5	102	102	-	101	4	101	101	768.0635	-1.0	-0.3759
908:	84	6	84	84	-	85	5	85	85	658.4463	-1.0	-1.3121
909:	83	6	83	83	-	84	5	84	84	659.2697	-1.0	0.1342
910:	75	6	75	75	-	76	5	76	76	665.7514	-1.0	-1.0878
911:	57	6	57	57	-	58	5	58	58	679.7260	-1.0	-1.2684
912:	53	6	53	53	-	54	5	54	54	682.7156	-1.0	-0.1936
913:	48	6	48	48	-	49	5	49	49	686.3903	-1.0	-0.4244
914:	32	6	32	32	-	33	5	33	33	697.6906	-1.0	-0.1352
915:	28	6	28	28	-	29	5	29	29	700.4055	-1.0	0.7565

916:	27	6	27	27	-	28	5	28	28	701.0780	-1.0	1.7723
917:	17	6	17	17	-	18	5	18	18	707.6352	-1.0	-0.1942
918:	6	6	6	6	-	5	5	5	5	722.1988	-1.0	-1.3383
919:	12	6	12	12	-	11	5	11	11	725.5779	-1.0	1.9866
920:	19	6	19	19	-	18	5	18	18	729.3771	-1.0	-0.3255
921:	20	6	20	20	-	19	5	19	19	729.9081	-1.0	-0.2729
922:	25	6	25	25	-	24	5	24	24	732.5171	-1.0	-0.2198
923:	26	6	26	26	-	25	5	25	25	733.0296	-1.0	-0.3165
924:	27	6	27	27	-	26	5	26	26	733.5401	-1.0	0.6625
925:	32	6	32	32	-	31	5	31	31	736.0401	-1.0	-0.6324
926:	33	6	33	33	-	32	5	32	32	736.5307	-1.0	-0.9946
927:	41	6	41	41	-	40	5	40	40	740.3475	-1.0	0.5082
928:	57	6	57	57	-	56	5	56	56	747.3697	-1.0	-0.3544
929:	58	6	58	58	-	57	5	57	57	747.7810	-1.0	-0.7401
930:	59	6	59	59	-	58	5	58	58	748.1903	-1.0	0.1114
931:	60	6	60	60	-	59	5	59	59	748.5948	-1.0	-0.5946
932:	88	6	88	88	-	87	5	87	87	758.6029	-1.0	-0.7236
933:	89	6	89	89	-	88	5	88	88	758.9117	-1.0	-0.8291
934:	92	6	92	92	-	91	5	91	91	759.8180	-1.0	-0.8235
935:	107	6	107	107	-	106	5	106	106	763.8852	-1.0	-0.9803
936:	108	6	108	108	-	107	5	107	107	764.1284	-1.0	-1.1586
937:	127	6	127	127	-	126	5	126	126	768.0828	-1.0	1.0468
938:	78	7	78	78	-	79	6	79	79	658.4342	-1.0	-1.6493
939:	77	7	77	77	-	78	6	78	78	659.2400	-1.0	0.5426
940:	69	7	69	69	-	70	6	70	70	665.5739	-1.0	-0.7447
941:	60	7	60	60	-	61	6	61	61	672.5004	-1.0	-0.2531
942:	56	7	56	56	-	57	6	57	57	675.5090	-1.0	-0.7345
943:	55	7	55	55	-	56	6	56	56	676.2555	-1.0	0.1957
944:	50	7	50	50	-	51	6	51	51	679.9418	-1.0	-0.9261
945:	46	7	46	46	-	47	6	47	47	682.8433	-1.0	-0.5802
946:	41	7	41	41	-	42	6	42	42	686.4083	-1.0	-0.5681
947:	25	7	25	25	-	26	6	26	26	697.3526	-1.0	1.0378
948:	20	7	20	20	-	21	6	21	21	700.6245	-1.0	0.8434
949:	15	7	15	15	-	14	6	14	14	722.0422	-1.0	-1.1350
950:	22	7	22	22	-	21	6	21	21	725.7620	-1.0	1.5694
951:	23	7	23	23	-	22	6	22	22	726.2803	-1.0	1.0441
952:	29	7	29	29	-	28	6	28	28	729.3273	-1.0	-0.4345
953:	30	7	30	30	-	29	6	29	29	729.8246	-1.0	-0.4224
954:	35	7	35	35	-	34	6	34	34	732.2637	-1.0	-1.2124
955:	36	7	36	36	-	35	6	35	35	732.7429	-1.0	-0.6454
956:	37	7	37	37	-	36	6	36	36	733.2188	-1.0	-0.2517
957:	38	7	38	38	-	37	6	37	37	733.6921	-1.0	0.6736
958:	43	7	43	43	-	42	6	42	42	736.0052	-1.0	-0.9476
959:	44	7	44	44	-	43	6	43	43	736.4588	-1.0	-0.8261
960:	45	7	45	45	-	44	6	44	44	736.9085	-1.0	-1.4376
961:	46	7	46	46	-	45	6	45	45	737.3573	-1.0	0.2231
962:	53	7	53	53	-	52	6	52	52	740.3978	-1.0	-0.0044
963:	71	7	71	71	-	70	6	70	70	747.4888	-1.0	-0.8358
964:	72	7	72	72	-	71	6	71	71	747.8506	-1.0	-1.8967
965:	73	7	73	73	-	72	6	72	72	748.2121	-1.0	0.0541
966:	74	7	74	74	-	73	6	73	73	748.5679	-1.0	-0.3781
967:	72	8	72	72	-	73	7	73	73	658.2984	-1.0	-2.6699
968:	71	8	71	71	-	72	7	72	72	659.0859	-1.0	-0.2725
969:	63	8	63	63	-	64	7	64	64	665.2711	-1.0	-1.2362
970:	62	8	62	62	-	63	7	63	63	666.0339	-1.0	0.1915
971:	53	8	53	53	-	54	7	54	54	672.7660	-1.0	0.1211
972:	49	8	49	49	-	50	7	50	50	675.6878	-1.0	-0.1746
973:	48	8	48	48	-	49	7	49	49	676.4120	-1.0	0.2828
974:	39	8	39	39	-	40	7	40	40	682.8023	-1.0	-0.0853
975:	34	8	34	34	-	35	7	35	35	686.2563	-1.0	0.0203
976:	33	8	33	33	-	34	7	34	34	686.9391	-1.0	0.3797
977:	12	8	12	12	-	13	7	13	13	700.6198	-1.0	1.5153
978:	25	8	25	25	-	24	7	24	24	722.1030	-1.0	-0.0984
979:	32	8	32	32	-	31	7	31	31	725.5870	-1.0	2.1686
980:	33	8	33	33	-	32	7	32	32	726.0712	-1.0	1.3695
981:	40	8	40	40	-	39	7	39	39	729.3771	-1.0	-0.2831
982:	41	8	41	41	-	40	7	40	40	729.8367	-1.0	-0.6385
983:	47	8	47	47	-	46	7	46	46	732.5296	-1.0	-1.0768
984:	48	8	48	48	-	47	7	47	47	732.9687	-1.0	0.2467
985:	49	8	49	49	-	48	7	48	48	733.4030	-1.0	-0.0409
986:	55	8	55	55	-	54	7	54	54	735.9416	-1.0	-1.7151

987:	56	8	56	56	-	55	7	55	55	736.3543	-1.0	-1.1375
988:	57	8	57	57	-	56	7	56	56	736.7634	-1.0	-0.9300
989:	58	8	58	58	-	57	7	57	57	737.1706	-1.0	0.6127
990:	66	8	66	66	-	65	7	65	65	740.2991	-1.0	0.9397
991:	88	8	88	88	-	87	7	87	87	747.8093	-1.0	-0.1577
992:	89	8	89	89	-	88	7	88	88	748.1132	-1.0	0.9760
993:	90	8	90	90	-	89	7	89	89	748.4143	-1.0	2.7141
994:	65	9	65	65	-	66	8	66	66	658.8075	-1.0	-1.1341
995:	56	9	56	56	-	57	8	57	57	665.5870	-1.0	0.0787
996:	42	9	42	42	-	43	8	43	43	675.6986	-1.0	1.4179
997:	41	9	41	41	-	42	8	42	42	676.3990	-1.0	0.1321
998:	36	9	36	36	-	37	8	37	37	679.8641	-1.0	-1.7901
999:	27	9	27	27	-	28	8	28	28	685.9323	-1.0	1.1260
1000:	26	9	26	26	-	27	8	27	27	686.5908	-1.0	-0.2617
1001:	25	9	25	25	-	26	8	26	26	687.2477	-1.0	-0.4259
1002:	8	9	8	8	-	7	8	7	7	707.8742	-1.0	-0.4203
1003:	52	9	52	52	-	51	8	51	51	729.4062	-1.0	-0.6956
1004:	53	9	53	53	-	52	8	52	52	729.8246	-1.0	-1.0590
1005:	59	9	59	59	-	58	8	58	58	732.2694	-1.0	-1.1212
1006:	60	9	60	60	-	59	8	59	59	732.6665	-1.0	-0.1635
1007:	61	9	61	61	-	60	8	60	60	733.0589	-1.0	-0.6534
1008:	62	9	62	62	-	61	8	61	61	733.4498	-1.0	0.6143
1009:	68	9	68	68	-	67	8	67	67	735.7184	-1.0	0.1229
1010:	71	9	71	71	-	70	8	70	70	736.8097	-1.0	1.2793
1011:	58	10	58	58	-	59	9	59	59	659.1511	-1.0	0.4314
1012:	49	10	49	49	-	50	9	50	50	665.7342	-1.0	0.2615
1013:	34	10	34	34	-	35	9	35	35	676.2153	-1.0	0.3152
1014:	29	10	29	29	-	30	9	30	30	679.5703	-1.0	0.2447
1015:	24	10	24	24	-	25	9	25	25	682.8555	-1.0	0.6411
1016:	19	10	19	19	-	20	9	20	20	686.0696	-1.0	0.7868
1017:	18	10	18	18	-	19	9	19	19	686.7031	-1.0	0.0494
1018:	17	10	17	17	-	18	9	18	18	687.3344	-1.0	-0.0259

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1019:	103	171	103	103	-	104	170	104	104	658.7018	-1.0	-1.2410
1020:	87	171	87	87	-	88	170	88	88	672.1207	-1.0	-1.0209
1021:	83	171	83	83	-	84	170	84	84	675.3788	-1.0	-0.4178
1022:	82	171	82	82	-	83	170	83	83	676.1871	-1.0	-0.3471
1023:	69	171	69	69	-	70	170	70	70	686.4684	-1.0	-0.0911
1024:	68	171	68	68	-	69	170	69	69	687.2416	-1.0	-0.2150
1025:	54	171	54	54	-	55	170	55	55	697.8010	-1.0	-0.3443
1026:	50	171	50	50	-	51	170	51	51	700.7261	-1.0	0.2604
1027:	40	171	40	40	-	41	170	41	41	707.8539	-1.0	-0.4937
1028:	29	171	29	29	-	30	170	30	30	715.3912	-1.0	0.9917
1029:	24	171	24	24	-	25	170	25	25	718.7077	-1.0	-0.5324
1030:	13	171	13	13	-	14	170	14	14	725.7698	-1.0	1.5641
1031:	7	171	7	7	-	8	170	8	8	729.4781	-1.0	-0.4984
1032:	4	171	4	4	-	3	170	3	3	736.5957	-1.0	-1.3176
1033:	5	171	5	5	-	4	170	4	4	737.1706	-1.0	-1.2392
1034:	24	171	24	24	-	23	170	23	23	747.5463	-1.0	-0.6691
1035:	25	171	25	25	-	24	170	24	24	748.0639	-1.0	-0.0454
1036:	26	171	26	26	-	25	170	25	25	748.5777	-1.0	-0.2812
1037:	47	171	47	47	-	46	170	46	46	758.6845	-1.0	-0.7111
1038:	48	171	48	48	-	47	170	47	47	759.1340	-1.0	0.6263
1039:	50	171	50	50	-	49	170	49	49	760.0203	-1.0	-0.2492
1040:	59	171	59	59	-	58	170	58	58	763.8604	-1.0	-0.5287
1041:	69	171	69	69	-	68	170	68	68	767.8332	-1.0	-0.0934
1042:	98	172	98	98	-	99	171	99	99	658.2179	-1.0	-1.5325
1043:	89	172	89	89	-	90	171	90	90	665.7094	-1.0	-0.4928
1044:	81	172	81	81	-	82	171	82	82	672.2020	-1.0	-0.3908
1045:	77	172	77	77	-	78	171	78	78	675.3890	-1.0	-0.4728
1046:	63	172	63	63	-	64	171	64	64	686.2286	-1.0	-0.5025
1047:	62	172	62	62	-	63	171	63	63	686.9844	-1.0	-0.0035
1048:	48	172	48	48	-	49	171	49	49	697.2894	-1.0	0.4902
1049:	43	172	43	43	-	44	171	44	44	700.8463	-1.0	0.5735
1050:	38	172	38	38	-	39	171	39	39	704.3358	-1.0	-0.9539
1051:	33	172	33	33	-	34	171	34	34	707.7628	-1.0	1.3504
1052:	22	172	22	22	-	23	171	23	23	715.0592	-1.0	-0.4009
1053:	10	172	10	10	-	11	171	11	11	722.6445	-1.0	-0.6719
1054:	6	172	6	6	-	5	171	5	5	732.7039	-1.0	-1.1348
1055:	7	172	7	7	-	6	171	6	6	733.2701	-1.0	-1.2261

1056:	12	172	12	12	-	11	171	11	11	736.0574	-1.0	-2.4185
1057:	13	172	13	13	-	12	171	12	12	736.6079	-1.0	-0.9921
1058:	14	172	14	14	-	13	171	13	13	737.1547	-1.0	-0.3801
1059:	20	172	20	20	-	19	171	19	19	740.3720	-1.0	0.6482
1060:	34	172	34	34	-	33	171	33	33	747.4651	-1.0	-0.6544
1061:	35	172	35	35	-	34	171	34	34	747.9498	-1.0	-0.4770
1062:	36	172	36	36	-	35	171	35	35	748.4321	-1.0	0.2881
1063:	59	172	59	59	-	58	171	58	58	758.6712	-1.0	-0.4812
1064:	60	172	60	60	-	59	171	59	59	759.0797	-1.0	-0.3949
1065:	73	172	73	73	-	72	171	72	72	764.1049	-1.0	-0.1373
1066:	85	172	85	85	-	84	171	84	84	768.2683	-1.0	0.0252
1067:	83	173	83	83	-	84	172	84	84	665.8139	-1.0	-0.2437
1068:	75	173	75	75	-	76	172	76	76	672.1657	-1.0	-0.1429
1069:	71	173	71	71	-	72	172	72	72	675.2813	-1.0	-0.6185
1070:	61	173	61	61	-	62	172	62	62	682.8968	-1.0	1.1743
1071:	57	173	57	57	-	58	172	58	58	685.8707	-1.0	0.8907
1072:	56	173	56	56	-	57	172	57	57	686.6068	-1.0	-0.1363
1073:	55	173	55	55	-	56	172	56	56	687.3415	-1.0	0.0128
1074:	41	173	41	41	-	42	172	42	42	697.3526	-1.0	0.2826
1075:	36	173	36	36	-	37	172	37	37	700.8034	-1.0	0.5962
1076:	9	173	9	9	-	8	172	8	8	729.3534	-1.0	-0.2857
1077:	15	173	15	15	-	14	172	14	14	732.6382	-1.0	-1.5469
1078:	16	173	16	16	-	15	172	15	15	733.1774	-1.0	0.0828
1079:	22	173	22	22	-	21	172	21	21	736.3409	-1.0	-0.7800
1080:	23	173	23	23	-	22	172	22	22	736.8574	-1.0	-1.4542
1081:	24	173	24	24	-	23	172	23	23	737.3731	-1.0	0.0038
1082:	46	173	46	46	-	45	172	45	45	747.9347	-1.0	-0.4211
1083:	47	173	47	47	-	46	172	46	46	748.3791	-1.0	-1.5310
1084:	73	173	73	73	-	72	172	72	72	758.8809	-1.0	-0.1827
1085:	88	173	88	88	-	87	172	87	87	763.9691	-1.0	-0.4555
1086:	77	174	77	77	-	78	173	78	78	665.8017	-1.0	0.3231
1087:	68	174	68	68	-	69	173	69	69	672.7750	-1.0	-1.0006
1088:	64	174	64	64	-	65	173	65	65	675.8095	-1.0	-0.8427
1089:	49	174	49	49	-	50	173	50	50	686.8249	-1.0	0.3113
1090:	19	174	19	19	-	18	173	18	18	729.7082	-1.0	0.1082
1091:	24	174	24	24	-	23	173	23	23	732.2935	-1.0	-0.8884
1092:	25	174	25	25	-	24	173	24	24	732.8029	-1.0	0.0461
1093:	26	174	26	26	-	25	173	25	25	733.3080	-1.0	-0.3773
1094:	34	174	34	34	-	33	173	33	33	737.2455	-1.0	-0.5874
1095:	41	174	41	41	-	40	173	40	40	740.5355	-1.0	0.5084

(29)Si(32)S

1096:	106	61	106	106	-	107	60	107	107	658.7018	-1.0	-0.1923
1097:	90	61	90	90	-	91	60	91	91	672.3789	-1.0	-0.3895
1098:	85	61	85	85	-	86	60	86	86	676.5253	-1.0	0.5012
1099:	81	61	81	81	-	82	60	82	82	679.7951	-1.0	-1.3757
1100:	73	61	73	73	-	74	60	74	74	686.2185	-1.0	-0.9043
1101:	72	61	72	72	-	73	60	73	73	687.0108	-1.0	-0.0980
1102:	54	61	54	54	-	55	60	55	55	700.8195	-1.0	0.4409
1103:	34	61	34	34	-	35	60	35	35	715.1647	-1.0	-0.4039
1104:	29	61	29	29	-	30	60	30	30	718.5824	-1.0	-1.4094
1105:	18	61	18	18	-	19	60	19	19	725.8659	-1.0	1.9108
1106:	12	61	12	12	-	13	60	13	13	729.6932	-1.0	-0.4588
1107:	8	61	8	8	-	9	60	9	9	732.1893	-1.0	-1.4114
1108:	7	61	7	7	-	8	60	8	8	732.8068	-1.0	-1.1253
1109:	6	61	6	6	-	7	60	7	7	733.4227	-1.0	0.3898
1110:	5	61	5	5	-	4	60	4	4	740.5725	-1.0	-0.1101
1111:	18	61	18	18	-	17	60	17	17	747.8506	-1.0	1.5006
1112:	19	61	19	19	-	18	60	18	18	748.3883	-1.0	-0.0157
1113:	39	61	39	39	-	38	60	38	38	758.5463	-1.0	0.2499
1114:	40	61	40	40	-	39	60	39	39	759.0226	-1.0	0.3574
1115:	42	61	42	42	-	41	60	41	41	759.9663	-1.0	0.8376
1116:	51	61	51	51	-	50	60	50	50	764.0564	-1.0	-1.3769
1117:	59	61	59	59	-	58	60	58	58	767.4847	-1.0	0.4374
1118:	60	61	60	60	-	59	60	59	59	767.8985	-1.0	0.0293
1119:	92	62	92	92	-	93	61	93	93	665.9005	-1.0	-0.4073
1120:	84	62	84	84	-	85	61	85	85	672.5207	-1.0	-0.1382
1121:	80	62	80	80	-	81	61	81	81	675.7704	-1.0	-0.7515
1122:	75	62	75	75	-	76	61	76	76	679.7766	-1.0	-0.9847
1123:	67	62	67	67	-	68	61	68	68	686.0562	-1.0	0.0508
1124:	66	62	66	66	-	67	61	67	67	686.8292	-1.0	-0.2808

1125:	52	62	52	52	-	53	61	53	53	697.3856	-1.0	1.0082
1126:	48	62	48	48	-	49	61	49	49	700.3052	-1.0	-1.0540
1127:	47	62	47	47	-	48	61	48	48	701.0311	-1.0	1.0330
1128:	43	62	43	43	-	44	61	44	44	703.8986	-1.0	-0.1772
1129:	16	62	16	16	-	17	61	17	17	722.1312	-1.0	-0.8297
1130:	4	62	4	4	-	5	61	5	5	729.5870	-1.0	-1.5388
1131:	2	62	2	2	-	1	61	1	1	733.7504	-1.0	0.7731
1132:	6	62	6	6	-	5	61	5	5	736.0640	-1.0	-0.2411
1133:	7	62	7	7	-	6	61	6	6	736.6352	-1.0	-0.4722
1134:	8	62	8	8	-	7	61	7	7	737.2042	-1.0	-0.0051
1135:	28	62	28	28	-	27	61	27	27	747.9589	-1.0	-0.1467
1136:	29	62	29	29	-	28	61	28	28	748.4659	-1.0	0.2635
1137:	51	62	51	51	-	50	61	50	50	758.8422	-1.0	-0.5755
1138:	63	62	63	63	-	62	61	62	62	763.8719	-1.0	-0.5517
1139:	74	62	74	74	-	73	61	73	73	768.0828	-1.0	0.0814
1140:	95	63	95	95	-	96	62	96	96	658.5878	-1.0	-0.9163
1141:	78	63	78	78	-	79	62	79	79	672.5444	-1.0	0.3601
1142:	74	63	74	74	-	75	62	75	75	675.7224	-1.0	-0.3030
1143:	73	63	73	73	-	74	62	74	74	676.5111	-1.0	0.0548
1144:	69	63	69	69	-	70	62	70	70	679.6369	-1.0	-2.0922
1145:	60	63	60	60	-	61	62	61	61	686.5285	-1.0	1.5083
1146:	59	63	59	59	-	60	62	60	60	687.2798	-1.0	0.3854
1147:	40	63	40	40	-	41	62	41	41	701.0780	-1.0	1.1007
1148:	3	63	3	3	-	2	62	2	2	729.2600	-1.0	-1.3448
1149:	9	63	9	9	-	8	62	8	8	732.6803	-1.0	-1.0659
1150:	10	63	10	10	-	9	62	9	9	733.2412	-1.0	-0.0188
1151:	16	63	16	16	-	15	62	15	15	736.5379	-1.0	-1.1083
1152:	17	63	17	17	-	16	62	16	16	737.0779	-1.0	-0.4749
1153:	23	63	23	23	-	22	62	22	22	740.2523	-1.0	-0.2573
1154:	38	63	38	38	-	37	62	37	37	747.7175	-1.0	0.0774
1155:	39	63	39	39	-	38	62	38	38	748.1905	-1.0	-0.3982
1156:	63	63	63	63	-	62	62	62	62	758.6282	-1.0	-0.0189
1157:	77	63	77	77	-	76	62	76	76	763.8786	-1.0	-0.0178
1158:	89	63	89	89	-	88	62	88	88	767.8749	-1.0	0.3178
1159:	90	63	90	90	-	89	62	89	89	768.1860	-1.0	-0.2689
1160:	54	64	54	54	-	55	63	55	55	686.1028	-1.0	0.4021
1161:	53	64	53	53	-	54	63	54	54	686.8362	-1.0	-0.1241
1162:	18	64	18	18	-	17	63	17	17	732.5052	-1.0	-0.8063
1163:	19	64	19	19	-	18	63	18	18	733.0366	-1.0	-0.0017
1164:	20	64	20	20	-	19	63	19	19	733.5644	-1.0	0.1583
1165:	26	64	26	26	-	25	63	25	25	736.6676	-1.0	-0.1554
1166:	49	64	49	49	-	48	63	48	48	747.5589	-1.0	0.0344
1167:	78	64	78	78	-	77	63	77	77	758.9480	-1.0	1.1904

(30)Si(32)S

1168:	100	101	100	100	-	101	100	101	101	658.8792	-1.0	-0.0605
1169:	66	101	66	66	-	67	100	67	67	686.1357	-1.0	-0.3439
1170:	65	101	65	65	-	66	100	66	66	686.8952	-1.0	0.4908
1171:	51	101	51	51	-	52	100	52	52	697.2505	-1.0	-0.4181
1172:	46	101	46	46	-	47	100	47	47	700.8286	-1.0	0.2916
1173:	8	101	8	8	-	9	100	9	9	725.8659	-1.0	1.1574
1174:	4	101	4	4	-	3	100	3	3	733.5304	-1.0	0.4725
1175:	8	101	8	8	-	7	100	7	7	735.7922	-1.0	-1.2037
1176:	10	101	10	10	-	9	100	9	9	736.9085	-1.0	0.2998
1177:	11	101	11	11	-	10	100	10	10	737.4611	-1.0	-0.2473
1178:	30	101	30	30	-	29	100	29	29	747.4259	-1.0	-0.4844
1179:	31	101	31	31	-	30	100	30	30	747.9219	-1.0	0.0288
1180:	32	101	32	32	-	31	100	31	31	748.4143	-1.0	-0.1271
1181:	54	101	54	54	-	53	100	53	53	758.4982	-1.0	-1.6427
1182:	55	101	55	55	-	54	100	54	54	758.9238	-1.0	0.0837
1183:	67	101	67	67	-	66	100	66	66	763.7698	-1.0	-1.7747
1184:	68	101	68	68	-	67	100	67	67	764.1538	-1.0	-1.7342
1185:	79	101	79	79	-	78	100	78	78	768.1722	-1.0	-1.0122
1186:	95	102	95	95	-	96	101	96	96	658.3479	-1.0	-1.8128
1187:	64	102	64	64	-	65	101	65	65	682.8518	-1.0	-0.0549
1188:	60	102	60	60	-	61	101	61	61	685.8410	-1.0	0.7703
1189:	59	102	59	59	-	60	101	60	60	686.5809	-1.0	-0.1143
1190:	58	102	58	58	-	59	101	59	59	687.3194	-1.0	0.1332
1191:	49	102	49	49	-	50	101	50	50	693.8482	-1.0	-0.7077
1192:	44	102	44	44	-	45	101	45	45	697.3856	-1.0	-0.9909
1193:	39	102	39	39	-	40	101	40	40	700.8607	-1.0	1.3073

1194:	34	102	34	34	-	35	101	35	35	704.2666	-1.0	-0.1803
1195:	29	102	29	29	-	30	101	30	30	707.6088	-1.0	0.5820
1196:	6	102	6	6	-	5	101	5	5	729.6692	-1.0	-1.3741
1197:	11	102	11	11	-	10	101	10	10	732.4522	-1.0	1.5461
1198:	12	102	12	12	-	11	101	11	11	732.9982	-1.0	0.0333
1199:	17	102	17	17	-	16	101	16	16	735.6927	-1.0	-0.2676
1200:	18	102	18	18	-	17	101	17	17	736.2219	-1.0	-1.4435
1201:	19	102	19	19	-	18	101	18	18	736.7499	-1.0	-0.9474
1202:	20	102	20	20	-	19	101	19	19	737.2755	-1.0	0.0252
1203:	26	102	26	26	-	25	101	25	25	740.3633	-1.0	0.7219
1204:	41	102	41	41	-	40	101	40	40	747.6198	-1.0	-0.2998
1205:	42	102	42	42	-	41	101	41	41	748.0801	-1.0	-0.1879
1206:	43	102	43	43	-	42	101	42	42	748.5374	-1.0	-0.0939
1207:	67	102	67	67	-	66	101	66	66	758.6029	-1.0	-0.7821
1208:	68	102	68	68	-	67	101	67	67	758.9847	-1.0	-0.1153
1209:	82	102	82	82	-	81	101	81	81	763.9916	-1.0	-0.9393
1210:	89	103	89	89	-	90	102	90	90	658.5494	-1.0	-0.7976
1211:	67	103	67	67	-	68	102	68	68	675.7980	-1.0	-0.8852
1212:	53	103	53	53	-	54	102	54	54	686.1486	-1.0	0.3234
1213:	52	103	52	52	-	53	102	53	53	686.8690	-1.0	0.5264
1214:	37	103	37	37	-	38	102	38	38	697.3610	-1.0	-0.6573
1215:	21	103	21	21	-	22	102	22	22	707.9016	-1.0	-1.3090
1216:	15	103	15	15	-	14	102	14	14	729.6073	-1.0	0.0130
1217:	20	103	20	20	-	19	102	19	19	732.2440	-1.0	-1.1534
1218:	21	103	21	21	-	20	102	20	20	732.7629	-1.0	-1.2003
1219:	22	103	22	22	-	21	102	21	21	733.2799	-1.0	-0.2612
1220:	28	103	28	28	-	27	102	27	27	736.3148	-1.0	-0.8635
1221:	29	103	29	29	-	28	102	28	28	736.8097	-1.0	-1.6941
1222:	30	103	30	30	-	29	102	29	29	737.3047	-1.0	0.4979
1223:	36	103	36	36	-	35	102	35	35	740.2007	-1.0	1.2828
1224:	52	103	52	52	-	51	102	51	51	747.3967	-1.0	-0.5056
1225:	53	103	53	53	-	52	102	52	52	747.8216	-1.0	0.0842
1226:	54	103	54	54	-	53	102	53	53	748.2426	-1.0	-0.1917
1227:	81	103	81	81	-	80	102	80	80	758.4519	-1.0	-1.0753
1228:	82	103	82	82	-	81	102	81	81	758.7865	-1.0	-0.8613
1229:	83	103	83	83	-	82	102	82	82	759.1173	-1.0	-1.2744
1230:	74	104	74	74	-	75	103	75	75	665.6780	-1.0	-1.0487
1231:	61	104	61	61	-	62	103	62	62	675.4982	-1.0	-0.1034
1232:	60	104	60	60	-	61	103	61	61	676.2361	-1.0	0.0246
1233:	45	104	45	45	-	46	103	46	46	686.9970	-1.0	0.1230
1234:	24	104	24	24	-	23	103	23	23	729.2676	-1.0	0.1480
1235:	25	104	25	25	-	24	103	24	24	729.7716	-1.0	-0.4232
1236:	30	104	30	30	-	29	103	29	29	732.2496	-1.0	-1.6138
1237:	33	104	33	33	-	32	103	32	32	733.7045	-1.0	0.8695
1238:	40	104	40	40	-	39	103	39	39	736.9890	-1.0	-0.4271
1239:	41	104	41	41	-	40	103	40	40	737.4468	-1.0	-0.1671
1240:	65	104	65	65	-	64	103	64	64	747.5227	-1.0	-0.7925

2) from Frum et al.

(28)Si(32)S

1241:	128	1	128	128	-	129	0	129	129	643.68575	-0.50	0.5617
1242:	127	1	127	127	-	128	0	128	128	644.62997	-0.50	-0.2214
1243:	126	1	126	126	-	127	0	127	127	645.57242	-0.50	-0.3976
1244:	123	1	123	123	-	124	0	124	124	648.38604	-0.50	-0.3550
1245:	122	1	122	122	-	123	0	123	123	649.31895	-0.50	-0.5234
1246:	120	1	120	120	-	121	0	121	121	651.17872	-0.50	0.2852
1247:	119	1	119	119	-	120	0	120	120	652.10402	-0.50	-0.2896
1248:	118	1	118	118	-	119	0	119	119	653.02764	-0.50	-0.1350
1249:	117	1	117	117	-	118	0	118	118	653.94891	-0.50	0.0831
1250:	116	1	116	116	-	117	0	117	117	654.86705	-0.50	-0.4111
1251:	115	1	115	115	-	116	0	116	116	655.78379	-0.50	0.1164
1252:	114	1	114	114	-	115	0	115	115	656.69752	-0.50	0.0599
1253:	113	1	113	113	-	114	0	114	114	657.60859	-0.50	-0.2267
1254:	112	1	112	112	-	113	0	113	113	658.51793	-0.50	0.1910
1255:	111	1	111	111	-	112	0	112	112	659.42443	-0.50	0.2070
1256:	109	1	109	109	-	110	0	110	110	661.22966	-0.50	-0.1992
1257:	108	1	108	108	-	109	0	109	109	662.12914	-0.50	0.1368
1258:	107	1	107	107	-	108	0	108	108	663.02562	-0.50	-0.0721
1259:	106	1	106	106	-	107	0	107	107	663.91980	-0.50	-0.1217
1260:	105	1	105	105	-	106	0	106	106	664.81177	-0.50	0.0820

1261:	104	1	104	104	-	105	0	105	105	665.70129	-0.50	0.3034
1262:	103	1	103	103	-	104	0	104	104	666.58769	-0.50	-0.1233
1263:	102	1	102	102	-	103	0	103	103	667.47199	-0.50	-0.1739
1264:	101	1	101	101	-	102	0	102	102	668.35389	-0.50	-0.1443
1265:	100	1	100	100	-	101	0	101	101	669.23319	-0.50	-0.2301
1266:	99	1	99	99	-	100	0	100	100	670.11026	-0.50	-0.0571
1267:	98	1	98	98	-	99	0	99	99	670.98441	-0.50	-0.3111
1268:	97	1	97	97	-	98	0	98	98	671.85661	-0.50	-0.0179
1269:	96	1	96	96	-	97	0	97	97	672.72604	-0.50	0.0070
1270:	95	1	95	95	-	96	0	96	96	673.59297	-0.50	0.0376
1271:	94	1	94	94	-	95	0	95	95	674.45733	-0.50	0.0083
1272:	93	1	93	93	-	94	0	94	94	675.31911	-0.50	-0.0866
1273:	92	1	92	92	-	93	0	93	93	676.17862	-0.50	0.0672
1274:	91	1	91	91	-	92	0	92	92	677.03539	-0.50	0.0039
1275:	90	1	90	90	-	91	0	91	91	677.88973	-0.50	0.0379
1276:	89	1	89	89	-	90	0	90	90	678.74148	-0.50	0.0134
1277:	88	1	88	88	-	89	0	89	89	679.59092	-0.50	0.2148
1278:	87	1	87	87	-	88	0	88	88	680.43740	-0.50	-0.0036
1279:	86	1	86	86	-	87	0	87	87	681.28147	-0.50	-0.0875
1280:	85	1	85	85	-	86	0	86	86	682.12302	-0.50	-0.1425
1281:	84	1	84	84	-	85	0	85	85	682.96218	-0.50	-0.0343
1282:	83	1	83	83	-	84	0	84	84	683.79867	-0.50	-0.0386
1283:	80	1	80	80	-	81	0	81	81	686.29287	-0.50	0.0674
1284:	79	1	79	79	-	80	0	80	80	687.11864	-0.50	-0.3831
1285:	78	1	78	78	-	79	0	79	79	687.94261	-0.50	-0.0543
1286:	77	1	77	77	-	78	0	78	78	688.76370	-0.50	-0.0217
1287:	76	1	76	76	-	77	0	77	77	689.58213	-0.50	-0.0610
1288:	75	1	75	75	-	76	0	76	76	690.39800	-0.50	-0.0678
1289:	74	1	74	74	-	75	0	75	75	691.21126	-0.50	-0.0876
1290:	73	1	73	73	-	74	0	74	74	692.02197	-0.50	-0.0562
1291:	72	1	72	72	-	73	0	73	73	692.83037	-0.50	0.2711
1292:	71	1	71	71	-	72	0	72	72	693.63552	-0.50	-0.0416
1293:	70	1	70	70	-	71	0	71	71	694.43832	-0.50	-0.0896
1294:	69	1	69	69	-	70	0	70	70	695.23856	-0.50	-0.0786
1295:	68	1	68	68	-	69	0	69	69	696.03624	-0.50	-0.0042
1296:	67	1	67	67	-	68	0	68	68	696.83124	-0.50	0.0180
1297:	66	1	66	66	-	67	0	67	67	697.62357	-0.50	0.0027
1298:	65	1	65	65	-	66	0	66	66	698.41314	-0.50	-0.1359
1299:	64	1	64	64	-	65	0	65	65	699.20026	-0.50	-0.0833
1300:	63	1	63	63	-	64	0	64	64	699.98469	-0.50	-0.0750
1301:	62	1	62	62	-	63	0	63	63	700.76646	-0.50	-0.0765
1302:	61	1	61	61	-	62	0	62	62	701.54581	-0.50	0.1566
1303:	60	1	60	60	-	61	0	61	61	702.32209	-0.50	-0.0211
1304:	59	1	59	59	-	60	0	60	60	703.09587	-0.50	-0.0353
1305:	58	1	58	58	-	59	0	59	59	703.86697	-0.50	-0.0614
1306:	57	1	57	57	-	58	0	58	58	704.63546	-0.50	-0.0249
1307:	56	1	56	56	-	57	0	57	57	705.40116	-0.50	-0.1013
1308:	55	1	55	55	-	56	0	56	56	706.16436	-0.50	0.0039
1309:	54	1	54	54	-	55	0	55	55	706.92472	-0.50	-0.0449
1310:	53	1	53	53	-	54	0	54	54	707.68254	-0.50	0.0570
1311:	52	1	52	52	-	53	0	53	53	708.43753	-0.50	0.0240
1312:	51	1	51	51	-	52	0	52	52	709.18982	-0.50	-0.0093
1313:	50	1	50	50	-	51	0	51	51	709.93957	-0.50	0.1215
1314:	48	1	48	48	-	49	0	49	49	711.43026	-0.50	-0.2960
1315:	47	1	47	47	-	48	0	48	48	712.17235	-0.50	0.3146
1316:	46	1	46	46	-	47	0	47	47	712.91099	-0.50	0.1977
1317:	45	1	45	45	-	46	0	46	46	713.64694	-0.50	0.1176
1318:	43	1	43	43	-	44	0	44	44	715.11060	-0.50	-0.0834
1319:	42	1	42	42	-	43	0	43	43	715.83845	-0.50	-0.0553
1320:	41	1	41	41	-	42	0	42	42	716.56392	-0.50	0.3380
1321:	40	1	40	40	-	41	0	41	41	717.28620	-0.50	0.2911
1322:	39	1	39	39	-	40	0	40	40	718.00555	-0.50	0.0685
1323:	38	1	38	38	-	39	0	39	39	718.72235	-0.50	0.0549
1324:	37	1	37	37	-	38	0	38	38	719.43638	-0.50	0.0349
1325:	36	1	36	36	-	37	0	37	37	720.14760	-0.50	-0.0270
1326:	35	1	35	35	-	36	0	36	36	720.85611	-0.50	-0.0261
1327:	34	1	34	34	-	35	0	35	35	721.56194	-0.50	0.0722
1328:	33	1	33	33	-	34	0	34	34	722.26438	-0.50	-0.4376
1329:	32	1	32	32	-	33	0	33	33	722.96502	-0.50	0.0393
1330:	31	1	31	31	-	32	0	32	32	723.66236	-0.50	0.0074
1331:	30	1	30	30	-	31	0	31	31	724.35693	-0.50	0.0013

1332:	29	1	29	29	-	30	0	30	30	725.04872	-0.50	0.0158
1333:	28	1	28	28	-	29	0	29	29	725.73768	-0.50	0.0054
1334:	27	1	27	27	-	28	0	28	28	726.42373	-0.50	-0.1052
1335:	26	1	26	26	-	27	0	27	27	727.10726	-0.50	0.0786
1336:	25	1	25	25	-	26	0	26	26	727.78788	-0.50	0.1715
1337:	24	1	24	24	-	25	0	25	25	728.46547	-0.50	0.0582
1338:	23	1	23	23	-	24	0	24	24	729.14025	-0.50	-0.0367
1339:	22	1	22	22	-	23	0	23	23	729.81230	-0.50	-0.0286
1340:	21	1	21	21	-	22	0	22	22	730.48163	-0.50	0.0974
1341:	20	1	20	20	-	21	0	21	21	731.14788	-0.50	-0.0143
1342:	19	1	19	19	-	20	0	20	20	731.81153	-0.50	0.1212
1343:	18	1	18	18	-	19	0	19	19	732.47210	-0.50	0.0284
1344:	17	1	17	17	-	18	0	18	18	733.12985	-0.50	-0.0278
1345:	16	1	16	16	-	17	0	17	17	733.78453	-0.50	-0.2929
1346:	15	1	15	15	-	16	0	16	16	734.43691	-0.50	0.0079
1347:	14	1	14	14	-	15	0	15	15	735.08625	-0.50	0.1394
1348:	13	1	13	13	-	14	0	14	14	735.73246	-0.50	0.0161
1349:	12	1	12	12	-	13	0	13	13	736.37594	-0.50	0.0429
1350:	11	1	11	11	-	12	0	12	12	737.01677	-0.50	0.3044
1351:	10	1	10	10	-	11	0	11	11	737.65417	-0.50	0.0253
1352:	9	1	9	9	-	10	0	10	10	738.28883	-0.50	-0.0995
1353:	8	1	8	8	-	9	0	9	9	738.92080	-0.50	-0.0154
1354:	7	1	7	7	-	8	0	8	8	739.54960	-0.50	-0.1977
1355:	6	1	6	6	-	7	0	7	7	740.17596	-0.50	0.0885
1356:	4	1	4	4	-	5	0	5	5	741.41933	-0.50	0.0550
1357:	3	1	3	3	-	4	0	4	4	742.03658	-0.50	-0.0151
1358:	2	1	2	2	-	3	0	3	3	742.65105	-0.50	0.0622
1359:	1	1	1	1	-	2	0	2	2	743.26321	-0.50	0.7617
1360:	1	1	1	1	-	0	0	0	0	745.07927	-0.50	0.0810
1361:	2	1	2	2	-	1	0	1	1	745.67873	-0.50	-0.1430
1362:	3	1	3	3	-	2	0	2	2	746.27599	-0.50	0.3891
1363:	4	1	4	4	-	3	0	3	3	746.86932	-0.50	-0.0479
1364:	5	1	5	5	-	4	0	4	4	747.46057	-0.50	0.4007
1365:	6	1	6	6	-	5	0	5	5	748.04790	-0.50	-0.1002
1366:	7	1	7	7	-	6	0	6	6	748.63288	-0.50	0.0242
1367:	8	1	8	8	-	7	0	7	7	749.21437	-0.50	-0.3613
1368:	9	1	9	9	-	8	0	8	8	749.79350	-0.50	-0.1218
1369:	10	1	10	10	-	9	0	9	9	750.36950	-0.50	-0.0227
1370:	11	1	11	11	-	10	0	10	10	750.94247	-0.50	0.0410
1371:	12	1	12	12	-	11	0	11	11	751.51234	-0.50	0.0041
1372:	13	1	13	13	-	12	0	12	12	752.07933	-0.50	0.0915
1373:	14	1	14	14	-	13	0	13	13	752.64312	-0.50	-0.0121
1374:	15	1	15	15	-	14	0	14	14	753.20391	-0.50	-0.1018
1375:	16	1	16	16	-	15	0	15	15	753.76185	-0.50	-0.0228
1376:	17	1	17	17	-	16	0	16	16	754.31685	-0.50	0.1399
1377:	18	1	18	18	-	17	0	17	17	754.86858	-0.50	0.0611
1378:	20	1	20	20	-	19	0	19	19	755.96303	-0.50	-0.0018
1379:	21	1	21	21	-	20	0	20	20	756.50551	-0.50	-0.2160
1380:	22	1	22	22	-	21	0	21	21	757.04546	-0.50	0.0876
1381:	24	1	24	24	-	23	0	23	23	758.11552	-0.50	0.0184
1382:	25	1	25	25	-	24	0	24	24	758.64597	-0.50	-0.0048
1383:	26	1	26	26	-	25	0	25	25	759.17349	-0.50	0.1096
1384:	27	1	27	27	-	26	0	26	26	759.69764	-0.50	-0.0737
1385:	28	1	28	28	-	27	0	27	27	760.21904	-0.50	0.0704
1386:	29	1	29	29	-	28	0	28	28	760.73709	-0.50	-0.0534
1387:	30	1	30	30	-	29	0	29	29	761.25157	-0.50	-0.6600
1388:	31	1	31	31	-	30	0	30	30	761.76410	-0.50	-0.1245
1389:	32	1	32	32	-	31	0	31	31	762.27301	-0.50	-0.1121
1390:	33	1	33	33	-	32	0	32	32	762.77893	-0.50	0.0122
1391:	34	1	34	34	-	33	0	33	33	763.28151	-0.50	-0.0966
1392:	36	1	36	36	-	35	0	35	35	764.27781	-0.50	0.1660
1393:	37	1	37	37	-	36	0	36	36	764.77103	-0.50	0.0474
1394:	38	1	38	38	-	37	0	37	37	765.26127	-0.50	0.0754
1395:	39	1	39	39	-	38	0	38	38	765.74832	-0.50	0.0449
1396:	40	1	40	40	-	39	0	39	39	766.23211	-0.50	-0.1090
1397:	41	1	41	41	-	40	0	40	40	766.71305	-0.50	0.0286
1398:	42	1	42	42	-	41	0	41	41	767.19069	-0.50	0.0127
1399:	43	1	43	43	-	42	0	42	42	767.66519	-0.50	0.0083
1400:	44	1	44	44	-	43	0	43	43	768.13631	-0.50	-0.2196
1401:	45	1	45	45	-	44	0	44	44	768.60471	-0.50	-0.0062
1402:	47	1	47	47	-	46	0	46	46	769.53146	-0.50	-0.1249

1403:	48	1	48	48	-	47	0	47	47	769.99026	-0.50	0.0029
1404:	49	1	49	49	-	48	0	48	48	770.44577	-0.50	0.0222
1405:	50	1	50	50	-	49	0	49	49	770.89809	-0.50	0.0379
1406:	51	1	51	51	-	50	0	50	50	771.34719	-0.50	0.0251
1407:	52	1	52	52	-	51	0	51	51	771.79302	-0.50	-0.0612
1408:	53	1	53	53	-	52	0	52	52	772.23584	-0.50	0.0440
1409:	54	1	54	54	-	53	0	53	53	772.67533	-0.50	0.0258
1410:	55	1	55	55	-	54	0	54	54	773.11143	-0.50	-0.1708
1411:	56	1	56	56	-	55	0	55	55	773.54469	-0.50	0.0093
1412:	57	1	57	57	-	56	0	56	56	773.97454	-0.50	0.0011
1413:	58	1	58	58	-	57	0	57	57	774.40122	-0.50	0.0497
1414:	60	1	60	60	-	59	0	59	59	775.24469	-0.50	-0.0425
1415:	61	1	61	61	-	60	0	60	60	775.66164	-0.50	-0.0132
1416:	63	1	63	63	-	62	0	62	62	776.48561	-0.50	-0.1384
1417:	64	1	64	64	-	63	0	63	63	776.89291	-0.50	-0.0027
1418:	65	1	65	65	-	64	0	64	64	777.29679	-0.50	-0.0247
1419:	66	1	66	66	-	65	0	65	65	777.69741	-0.50	-0.0392
1420:	67	1	67	67	-	66	0	66	66	778.09481	-0.50	-0.0012
1421:	68	1	68	68	-	67	0	67	67	778.48889	-0.50	-0.0056
1422:	69	1	69	69	-	68	0	68	68	778.87972	-0.50	0.0228
1423:	70	1	70	70	-	69	0	69	69	779.26698	-0.50	-0.2309
1424:	71	1	71	71	-	70	0	70	70	779.65146	-0.50	0.0284
1425:	72	1	72	72	-	71	0	71	71	780.03231	-0.50	-0.0441
1426:	73	1	73	73	-	72	0	72	72	780.41000	-0.50	0.0266
1427:	74	1	74	74	-	73	0	73	73	780.78458	-0.50	0.2958
1428:	75	1	75	75	-	74	0	74	74	781.15532	-0.50	0.0386
1429:	76	1	76	76	-	75	0	75	75	781.52287	-0.50	-0.0898
1430:	77	1	77	77	-	76	0	76	76	781.88714	-0.50	-0.1744
1431:	78	1	78	78	-	77	0	77	77	782.24834	-0.50	0.0002
1432:	79	1	79	79	-	78	0	78	78	782.60605	-0.50	0.0190
1433:	80	1	80	80	-	79	0	79	79	782.96045	-0.50	0.0672
1434:	82	1	82	82	-	81	0	81	81	783.65902	-0.50	-0.0272
1435:	83	1	83	83	-	82	0	82	82	784.00343	-0.50	0.0806
1436:	84	1	84	84	-	83	0	83	83	784.34426	-0.50	-0.0314
1437:	85	1	85	85	-	84	0	84	84	784.68194	-0.50	0.0721
1438:	86	1	86	86	-	85	0	85	85	785.01613	-0.50	0.0563
1439:	87	1	87	87	-	86	0	86	86	785.34698	-0.50	0.0763
1440:	88	1	88	88	-	87	0	87	87	785.67434	-0.50	-0.0125
1441:	89	1	89	89	-	88	0	88	88	785.99833	-0.50	-0.0849
1442:	90	1	90	90	-	89	0	89	89	786.31946	-0.50	0.3743
1443:	92	1	92	92	-	91	0	91	91	786.95052	-0.50	0.2886
1444:	94	1	94	94	-	93	0	93	93	787.56778	-0.50	0.0325
1445:	95	1	95	95	-	94	0	94	94	787.87125	-0.50	-0.1312
1446:	96	1	96	96	-	95	0	95	95	788.17148	-0.50	-0.1117
1447:	97	1	97	97	-	96	0	96	96	788.46845	-0.50	0.0763
1448:	98	1	98	98	-	97	0	97	97	788.76162	-0.50	-0.1018
1449:	100	1	100	100	-	99	0	99	99	789.33820	-0.50	0.1046
1450:	101	1	101	101	-	100	0	100	100	789.62105	-0.50	-0.0601
1451:	102	1	102	102	-	101	0	101	101	789.90078	-0.50	0.1102
1452:	103	1	103	103	-	102	0	102	102	790.17716	-0.50	0.3910
1453:	104	1	104	104	-	103	0	103	103	790.44948	-0.50	0.0776
1454:	105	1	105	105	-	104	0	104	104	790.71868	-0.50	0.1153
1455:	106	1	106	106	-	105	0	105	105	790.98420	-0.50	-0.0505
1456:	109	1	109	109	-	108	0	108	108	791.76054	-0.50	0.1446
1457:	110	1	110	110	-	109	0	109	109	792.01222	-0.50	0.0984
1458:	111	1	111	111	-	110	0	110	110	792.26032	-0.50	-0.0244
1459:	112	1	112	112	-	111	0	111	111	792.50504	-0.50	-0.0184
1460:	113	1	113	113	-	112	0	112	112	792.74629	-0.50	0.0318
1461:	114	1	114	114	-	113	0	113	113	792.98397	-0.50	0.0315
1462:	115	1	115	115	-	114	0	114	114	793.21826	-0.50	0.1663
1463:	116	1	116	116	-	115	0	115	115	793.44896	-0.50	0.2416
1464:	117	1	117	117	-	116	0	116	116	793.67563	-0.50	-0.1773
1465:	118	1	118	118	-	117	0	117	117	793.89960	-0.50	0.2452
1466:	119	1	119	119	-	118	0	118	118	794.11937	-0.50	0.0145
1467:	120	1	120	120	-	119	0	119	119	794.33587	-0.50	0.0661
1468:	121	1	121	121	-	120	0	120	120	794.54857	-0.50	-0.1247
1469:	122	1	122	122	-	121	0	121	121	794.75785	-0.50	-0.1722
1470:	123	1	123	123	-	122	0	122	122	794.96395	-0.50	0.1690
1471:	124	1	124	124	-	123	0	123	123	795.16564	-0.50	-0.3256
1472:	125	1	125	125	-	124	0	124	124	795.36448	-0.50	-0.0906
1473:	126	1	126	126	-	125	0	125	125	795.55974	-0.50	0.1497

1474:	127	1	127	127	-	126	0	126	126	795.75116	-0.50	0.1407
1475:	128	1	128	128	-	127	0	127	127	795.93909	-0.50	0.2379
1476:	129	1	129	129	-	128	0	128	128	796.12259	-0.50	-0.4930
1477:	130	1	130	130	-	129	0	129	129	796.30328	-0.50	-0.4267
1478:	131	1	131	131	-	130	0	130	130	796.48017	-0.50	-0.5474
1479:	132	1	132	132	-	131	0	131	131	796.65372	-0.50	-0.3897
1480:	133	1	133	133	-	132	0	132	132	796.82468	-0.50	0.8020
1481:	134	1	134	134	-	133	0	133	133	796.98960	-0.50	-0.4166
1482:	135	1	135	135	-	134	0	134	134	797.15295	-0.50	0.4299
1483:	136	1	136	136	-	135	0	135	135	797.31201	-0.50	0.6272
1484:	137	1	137	137	-	136	0	136	136	797.46671	-0.50	0.1110
1485:	139	1	139	139	-	138	0	138	138	797.76629	-0.50	0.2200
1486:	122	2	122	122	-	123	1	123	123	644.51626	-0.50	-0.1566
1487:	121	2	121	121	-	122	1	122	122	645.44420	-0.50	-0.0005
1488:	120	2	120	120	-	121	1	121	121	646.36912	-0.50	-0.4622
1489:	119	2	119	119	-	120	1	120	120	647.29212	-0.50	-0.4378
1490:	117	2	117	117	-	118	1	118	118	649.13080	-0.50	-0.4739
1491:	116	2	116	116	-	117	1	117	117	650.04718	-0.50	0.1738
1492:	115	2	115	115	-	116	1	116	116	650.96036	-0.50	0.0440
1493:	114	2	114	114	-	115	1	115	115	651.87134	-0.50	0.1409
1494:	113	2	113	113	-	114	1	114	114	652.77944	-0.50	-0.2113
1495:	112	2	112	112	-	113	1	113	113	653.68572	-0.50	0.0515
1496:	111	2	111	111	-	112	1	112	112	654.58927	-0.50	0.0234
1497:	110	2	110	110	-	111	1	111	111	655.49039	-0.50	0.0086
1498:	109	2	109	109	-	110	1	110	110	656.38922	-0.50	0.1512
1499:	108	2	108	108	-	109	1	109	109	657.28523	-0.50	-0.0745
1500:	107	2	107	107	-	108	1	108	108	658.17927	-0.50	0.1855
1501:	106	2	106	106	-	107	1	107	107	659.07057	-0.50	0.1654
1502:	105	2	105	105	-	106	1	106	106	659.95925	-0.50	-0.0105
1503:	104	2	104	104	-	105	1	105	105	660.84645	-0.50	0.8020
1504:	103	2	103	103	-	104	1	104	104	661.72952	-0.50	-0.0430
1505:	102	2	102	102	-	103	1	103	103	662.61112	-0.50	0.1187
1506:	101	2	101	101	-	102	1	102	102	663.49008	-0.50	0.1214
1507:	100	2	100	100	-	101	1	101	101	664.36646	-0.50	0.0293
1508:	99	2	99	99	-	100	1	100	100	665.24059	-0.50	0.1766
1509:	98	2	98	98	-	99	1	99	99	666.11188	-0.50	-0.0224
1510:	97	2	97	97	-	98	1	98	98	666.98078	-0.50	-0.1136
1511:	96	2	96	96	-	97	1	97	97	667.84739	-0.50	0.0075
1512:	95	2	95	95	-	96	1	96	96	668.71123	-0.50	-0.1351
1513:	94	2	94	94	-	95	1	95	95	669.57283	-0.50	-0.0070
1514:	93	2	93	93	-	94	1	94	94	670.43191	-0.50	0.1160
1515:	92	2	92	92	-	93	1	93	93	671.28849	-0.50	0.2583
1516:	91	2	91	91	-	92	1	92	92	672.14218	-0.50	0.0341
1517:	90	2	90	90	-	91	1	91	91	672.99354	-0.50	0.0077
1518:	89	2	89	89	-	90	1	90	90	673.84247	-0.50	0.0834
1519:	88	2	88	88	-	89	1	89	89	674.68870	-0.50	-0.0046
1520:	87	2	87	87	-	88	1	88	88	675.53258	-0.50	0.0982
1521:	86	2	86	86	-	87	1	87	87	676.37367	-0.50	-0.0439
1522:	85	2	85	85	-	86	1	86	86	677.21233	-0.50	-0.0668
1523:	84	2	84	84	-	85	1	85	85	678.04857	-0.50	0.0441
1524:	83	2	83	83	-	84	1	84	84	678.88214	-0.50	0.0430
1525:	82	2	82	82	-	83	1	83	83	679.71334	-0.50	0.2342
1526:	81	2	81	81	-	82	1	82	82	680.54156	-0.50	0.0122
1527:	80	2	80	80	-	81	1	81	81	681.36718	-0.50	-0.2388
1528:	79	2	79	79	-	80	1	80	80	682.19067	-0.50	-0.0443
1529:	78	2	78	78	-	79	1	79	79	683.01147	-0.50	0.0399
1530:	77	2	77	77	-	78	1	78	78	683.82954	-0.50	-0.0216
1531:	76	2	76	76	-	77	1	77	77	684.64501	-0.50	-0.0947
1532:	74	2	74	74	-	75	1	75	75	686.26856	-0.50	0.1525
1533:	73	2	73	73	-	74	1	74	74	687.07611	-0.50	-0.0485
1534:	72	2	72	72	-	73	1	73	73	687.88129	-0.50	-0.0135
1535:	71	2	71	71	-	72	1	72	72	688.68387	-0.50	0.0322
1536:	70	2	70	70	-	71	1	71	71	689.48373	-0.50	-0.0272
1537:	69	2	69	69	-	70	1	70	70	690.28103	-0.50	-0.0273
1538:	68	2	68	68	-	69	1	69	69	691.07545	-0.50	-0.2835
1539:	67	2	67	67	-	68	1	68	68	691.86781	-0.50	0.0285
1540:	66	2	66	66	-	67	1	67	67	692.65705	-0.50	-0.1469
1541:	65	2	65	65	-	66	1	66	66	693.44388	-0.50	-0.0951
1542:	64	2	64	64	-	65	1	65	65	694.22834	-0.50	0.2283
1543:	63	2	63	63	-	64	1	64	64	695.00962	-0.50	0.0176
1544:	62	2	62	62	-	63	1	63	63	695.78830	-0.50	-0.1425

1545:	61	2	61	61	-	62	1	62	62	696.56480	-0.50	0.1723
1546:	60	2	60	60	-	61	1	61	61	697.33814	-0.50	-0.0134
1547:	59	2	59	59	-	60	1	60	60	698.10904	-0.50	0.0247
1548:	58	2	58	58	-	59	1	59	59	698.87724	-0.50	0.0312
1549:	57	2	57	57	-	58	1	58	58	699.64270	-0.50	-0.0293
1550:	56	2	56	56	-	57	1	57	57	700.40553	-0.50	-0.0426
1551:	55	2	55	55	-	56	1	56	56	701.16576	-0.50	0.0261
1552:	54	2	54	54	-	55	1	55	55	701.92323	-0.50	0.0211
1553:	53	2	53	53	-	54	1	54	54	702.67798	-0.50	-0.0130
1554:	52	2	52	52	-	53	1	53	53	703.42987	-0.50	-0.2117
1555:	51	2	51	51	-	52	1	52	52	704.17957	-0.50	0.0996
1556:	50	2	50	50	-	51	1	51	51	704.92615	-0.50	-0.0047
1557:	49	2	49	49	-	50	1	50	50	705.67011	-0.50	-0.0201
1558:	48	2	48	48	-	49	1	49	49	706.41157	-0.50	0.1781
1559:	47	2	47	47	-	48	1	48	48	707.15019	-0.50	0.2544
1560:	46	2	46	46	-	47	1	47	47	707.88580	-0.50	0.0433
1561:	45	2	45	45	-	46	1	46	46	708.61867	-0.50	-0.1807
1562:	44	2	44	44	-	45	1	45	45	709.34957	-0.50	0.3571
1563:	43	2	43	43	-	44	1	44	44	710.07691	-0.50	0.0711
1564:	42	2	42	42	-	43	1	43	43	710.80212	-0.50	0.3960
1565:	41	2	41	41	-	42	1	42	42	711.52420	-0.50	0.3364
1566:	40	2	40	40	-	41	1	41	41	712.24410	-0.50	0.8467
1567:	39	2	39	39	-	40	1	40	40	712.96028	-0.50	0.3917
1568:	38	2	38	38	-	39	1	39	39	713.67396	-0.50	0.1958
1569:	36	2	36	36	-	37	1	37	37	715.09302	-0.50	-0.2000
1570:	35	2	35	35	-	36	1	36	36	715.79908	-0.50	0.2892
1571:	34	2	34	34	-	35	1	35	35	716.50135	-0.50	-0.2339
1572:	33	2	33	33	-	34	1	34	34	717.20152	-0.50	-0.0748
1573:	31	2	31	31	-	32	1	32	32	718.59313	-0.50	-0.1216
1574:	30	2	30	30	-	31	1	31	31	719.28488	-0.50	-0.0082
1575:	29	2	29	29	-	30	1	30	30	719.97376	-0.50	0.0359
1576:	28	2	28	28	-	29	1	29	29	720.66005	-0.50	0.2954
1577:	27	2	27	27	-	28	1	28	28	721.34298	-0.50	0.0049
1578:	26	2	26	26	-	27	1	27	27	722.02344	-0.50	0.0590
1579:	25	2	25	25	-	26	1	26	26	722.70099	-0.50	0.0224
1580:	24	2	24	24	-	25	1	25	25	723.37573	-0.50	-0.0002
1581:	23	2	23	23	-	24	1	24	24	724.04758	-0.50	-0.0842
1582:	22	2	22	22	-	23	1	23	23	724.71661	-0.50	-0.1549
1583:	21	2	21	21	-	22	1	22	22	725.38267	-0.50	-0.3576
1584:	20	2	20	20	-	21	1	21	21	726.04636	-0.50	-0.0877
1585:	19	2	19	19	-	20	1	20	20	726.70694	-0.50	-0.0804
1586:	18	2	18	18	-	19	1	19	19	727.36455	-0.50	-0.1912
1587:	17	2	17	17	-	18	1	18	18	728.01910	-0.50	-0.5052
1588:	16	2	16	16	-	17	1	17	17	728.67154	-0.50	-0.0679
1589:	15	2	15	15	-	16	1	16	16	729.32088	-0.50	0.1356
1590:	14	2	14	14	-	15	1	15	15	729.96699	-0.50	-0.0201
1591:	13	2	13	13	-	14	1	14	14	730.61045	-0.50	0.0497
1592:	12	2	12	12	-	13	1	13	13	731.25113	-0.50	0.2198
1593:	11	2	11	11	-	12	1	12	12	731.88842	-0.50	-0.1151
1594:	10	2	10	10	-	11	1	11	11	732.52289	-0.50	-0.3804
1595:	9	2	9	9	-	10	1	10	10	733.15513	-0.50	0.0188
1596:	8	2	8	8	-	9	1	9	9	733.78453	-0.50	0.4771
1597:	7	2	7	7	-	8	1	8	8	734.41006	-0.50	-0.0307
1598:	6	2	6	6	-	7	1	7	7	735.03328	-0.50	0.0602
1599:	5	2	5	5	-	6	1	6	6	735.65332	-0.50	-0.1155
1600:	4	2	4	4	-	5	1	5	5	736.27083	-0.50	0.0969
1601:	3	2	3	3	-	4	1	4	4	736.88505	-0.50	-0.0578
1602:	1	2	1	1	-	2	1	2	2	738.10493	-0.50	-0.1393
1603:	0	2	0	0	-	1	1	1	1	738.71045	-0.50	-0.1966
1604:	2	2	2	2	-	1	1	1	1	740.50961	-0.50	-0.0973
1605:	3	2	3	3	-	2	1	2	2	741.10332	-0.50	-0.1679
1606:	4	2	4	4	-	3	1	3	3	741.69403	-0.50	-0.2773
1607:	5	2	5	5	-	4	1	4	4	742.28212	-0.50	-0.0407
1608:	6	2	6	6	-	5	1	5	5	742.86665	-0.50	-0.3934
1609:	7	2	7	7	-	6	1	6	6	743.44874	-0.50	-0.2104
1610:	8	2	8	8	-	7	1	7	7	744.02785	-0.50	-0.0271
1611:	9	2	9	9	-	8	1	8	8	744.60379	-0.50	-0.0285
1612:	10	2	10	10	-	9	1	9	9	745.17680	-0.50	0.0302
1613:	11	2	11	11	-	10	1	10	10	745.74694	-0.50	0.2137
1614:	12	2	12	12	-	11	1	11	11	746.31362	-0.50	-0.0631
1615:	13	2	13	13	-	12	1	12	12	746.87797	-0.50	0.3348

1616:	14	2	14	14	-	13	1	13	13	747.43839	-0.50	-0.1880
1617:	16	2	16	16	-	15	1	15	15	748.55142	-0.50	0.0041
1618:	17	2	17	17	-	16	1	16	16	749.10335	-0.50	0.0487
1619:	18	2	18	18	-	17	1	17	17	749.65212	-0.50	-0.0378
1620:	19	2	19	19	-	18	1	18	18	750.19797	-0.50	-0.0107
1621:	20	2	20	20	-	19	1	19	19	750.74062	-0.50	-0.1449
1622:	21	2	21	21	-	20	1	20	20	751.28049	-0.50	-0.0157
1623:	23	2	23	23	-	22	1	22	22	752.35087	-0.50	0.0328
1624:	24	2	24	24	-	23	1	23	23	752.88160	-0.50	0.1818
1625:	25	2	25	25	-	24	1	24	24	753.40894	-0.50	0.0038
1626:	26	2	26	26	-	25	1	25	25	753.93329	-0.50	-0.0962
1627:	27	2	27	27	-	26	1	26	26	754.45481	-0.50	0.0466
1628:	29	2	29	29	-	28	1	28	28	755.48822	-0.50	-0.0594
1629:	30	2	30	30	-	29	1	29	29	756.00042	-0.50	0.0115
1630:	32	2	32	32	-	31	1	31	31	757.01521	-0.50	-0.1741
1631:	33	2	33	33	-	32	1	32	32	757.51812	-0.50	-0.1007
1632:	34	2	34	34	-	33	1	33	33	758.01805	-0.50	0.1000
1633:	35	2	35	35	-	34	1	34	34	758.51460	-0.50	0.0331
1634:	37	2	37	37	-	36	1	36	36	759.49823	-0.50	-0.2140
1635:	38	2	38	38	-	37	1	37	37	759.98566	-0.50	-0.0342
1636:	39	2	39	39	-	38	1	38	38	760.46978	-0.50	-0.0322
1637:	40	2	40	40	-	39	1	39	39	760.95089	-0.50	0.0968
1638:	41	2	41	41	-	40	1	40	40	761.42862	-0.50	-0.0119
1639:	42	2	42	42	-	41	1	41	41	761.90325	-0.50	-0.0736
1640:	43	2	43	43	-	42	1	42	42	762.37491	-0.50	0.0468
1641:	44	2	44	44	-	43	1	43	43	762.84324	-0.50	-0.0056
1642:	46	2	46	46	-	45	1	45	45	763.77085	-0.50	0.3307
1643:	47	2	47	47	-	46	1	46	46	764.22933	-0.50	-0.0704
1644:	48	2	48	48	-	47	1	47	47	764.68489	-0.50	-0.2144
1645:	49	2	49	49	-	48	1	48	48	765.13764	-0.50	0.0138
1646:	50	2	50	50	-	49	1	49	49	765.58690	-0.50	-0.0608
1647:	51	2	51	51	-	50	1	50	50	766.03297	-0.50	-0.1332
1648:	52	2	52	52	-	51	1	51	51	766.47608	-0.50	0.0316
1649:	53	2	53	53	-	52	1	52	52	766.91574	-0.50	-0.0512
1650:	54	2	54	54	-	53	1	53	53	767.35218	-0.50	-0.1467
1651:	55	2	55	55	-	54	1	54	54	767.78573	-0.50	0.0803
1652:	56	2	56	56	-	55	1	55	55	768.21568	-0.50	-0.0753
1653:	57	2	57	57	-	56	1	56	56	768.64264	-0.50	0.0017
1654:	58	2	58	58	-	57	1	57	57	769.06630	-0.50	0.0063
1655:	59	2	59	59	-	58	1	58	58	769.48677	-0.50	0.0536
1656:	60	2	60	60	-	59	1	59	59	769.90390	-0.50	-0.0014
1657:	61	2	61	61	-	60	1	60	60	770.31780	-0.50	-0.0434
1658:	62	2	62	62	-	61	1	61	61	770.72846	-0.50	-0.0775
1659:	63	2	63	63	-	62	1	62	62	771.13613	-0.50	0.1515
1660:	64	2	64	64	-	63	1	63	63	771.54016	-0.50	-0.0014
1661:	65	2	65	65	-	64	1	64	64	771.94104	-0.50	-0.0410
1662:	66	2	66	66	-	65	1	65	65	772.33870	-0.50	-0.0321
1663:	67	2	67	67	-	66	1	66	66	772.73313	-0.50	0.0202
1664:	68	2	68	68	-	67	1	67	67	773.12414	-0.50	-0.0687
1665:	69	2	69	69	-	68	1	68	68	773.51195	-0.50	-0.0739
1666:	70	2	70	70	-	69	1	69	69	773.89655	-0.50	-0.0002
1667:	71	2	71	71	-	70	1	70	70	774.27777	-0.50	-0.0123
1668:	72	2	72	72	-	71	1	71	71	774.65570	-0.50	-0.0152
1669:	73	2	73	73	-	72	1	72	72	775.03041	-0.50	0.0662
1670:	74	2	74	74	-	73	1	73	73	775.40164	-0.50	-0.0227
1671:	76	2	76	76	-	75	1	75	75	776.13441	-0.50	0.0587
1672:	77	2	77	77	-	76	1	76	76	776.49576	-0.50	0.0495
1673:	78	2	78	78	-	77	1	77	77	776.85373	-0.50	-0.0094
1674:	79	2	79	79	-	78	1	78	78	777.20849	-0.50	0.0572
1675:	80	2	80	80	-	79	1	79	79	777.55992	-0.50	0.1345
1676:	81	2	81	81	-	80	1	80	80	777.90788	-0.50	0.0877
1677:	82	2	82	82	-	81	1	81	81	778.25244	-0.50	-0.0080
1678:	83	2	83	83	-	82	1	82	82	778.59375	-0.50	0.0026
1679:	84	2	84	84	-	83	1	83	83	778.93170	-0.50	0.0148
1680:	86	2	86	86	-	85	1	85	85	779.59753	-0.50	0.0749
1681:	87	2	87	87	-	86	1	86	86	779.92533	-0.50	0.0532
1682:	88	2	88	88	-	87	1	87	87	780.24978	-0.50	0.0641
1683:	89	2	89	89	-	88	1	88	88	780.57094	-0.50	0.1728
1684:	90	2	90	90	-	89	1	89	89	780.88847	-0.50	0.0446
1685:	91	2	91	91	-	90	1	90	90	781.20273	-0.50	0.0448
1686:	92	2	92	92	-	91	1	91	91	781.51346	-0.50	-0.0814

1687:	93	2	93	93	-	92	1	92	92	781.82103	-0.50	0.0414
1688:	94	2	94	94	-	93	1	93	93	782.12504	-0.50	0.0183
1689:	95	2	95	95	-	94	1	94	94	782.42592	-0.50	0.2848
1690:	96	2	96	96	-	95	1	95	95	782.72292	-0.50	0.0961
1691:	97	2	97	97	-	96	1	96	96	783.01672	-0.50	0.1376
1692:	99	2	99	99	-	98	1	98	98	783.59398	-0.50	0.1924
1693:	100	2	100	100	-	99	1	99	99	783.87742	-0.50	0.1963
1694:	101	2	101	101	-	100	1	100	100	784.15733	-0.50	0.1217
1695:	102	2	102	102	-	101	1	101	101	784.43390	-0.50	0.1640
1696:	103	2	103	103	-	102	1	102	102	784.70700	-0.50	0.1985
1697:	104	2	104	104	-	103	1	103	103	784.97666	-0.50	0.2605
1698:	105	2	105	105	-	104	1	104	104	785.24233	-0.50	-0.1945
1699:	106	2	106	106	-	105	1	105	105	785.50528	-0.50	0.1089
1700:	107	2	107	107	-	106	1	106	106	785.76448	-0.50	0.1459
1701:	108	2	108	108	-	107	1	107	107	786.02019	-0.50	0.1821
1702:	120	3	120	120	-	121	2	121	121	641.56664	-0.50	0.6758
1703:	119	3	119	119	-	120	2	120	120	642.48754	-0.50	1.4894
1704:	118	3	118	118	-	119	2	119	119	643.40391	-0.50	0.1842
1705:	116	3	116	116	-	117	2	117	117	645.23207	-0.50	0.2438
1706:	115	3	115	115	-	116	2	116	116	646.14264	-0.50	0.3968
1707:	114	3	114	114	-	115	2	115	115	647.05089	-0.50	0.6575
1708:	113	3	113	113	-	114	2	114	114	647.95608	-0.50	0.2899
1709:	112	3	112	112	-	113	2	113	113	648.85933	-0.50	0.4182
1710:	111	3	111	111	-	112	2	112	112	649.75988	-0.50	0.2864
1711:	110	3	110	110	-	111	2	111	111	650.65906	-0.50	1.2288
1712:	109	3	109	109	-	110	2	110	110	651.55373	-0.50	0.1094
1713:	106	3	106	106	-	107	2	107	107	654.22638	-0.50	0.1226
1714:	105	3	105	105	-	106	2	106	106	655.11248	-0.50	0.2679
1715:	104	3	104	104	-	105	2	105	105	655.99550	-0.50	-0.1976
1716:	103	3	103	103	-	104	2	104	104	656.87679	-0.50	0.0801
1717:	102	3	102	102	-	103	2	103	103	657.75540	-0.50	0.1554
1718:	101	3	101	101	-	102	2	102	102	658.63109	-0.50	-0.2076
1719:	100	3	100	100	-	101	2	101	101	659.50514	-0.50	0.2753
1720:	99	3	99	99	-	100	2	100	100	660.37599	-0.50	0.0483
1721:	98	3	98	98	-	99	2	99	99	661.24437	-0.50	-0.1543
1722:	96	3	96	96	-	97	2	97	97	662.97394	-0.50	-0.2495
1723:	95	3	95	95	-	96	2	96	96	663.83517	-0.50	-0.0935
1724:	93	3	93	93	-	94	2	94	94	665.54967	-0.50	-0.2034
1725:	92	3	92	92	-	93	2	93	93	666.40341	-0.50	0.0093
1726:	90	3	90	90	-	91	2	91	91	668.10287	-0.50	-0.0085
1727:	89	3	89	89	-	90	2	90	90	668.94872	-0.50	-0.1004
1728:	88	3	88	88	-	89	2	89	89	669.79218	-0.50	-0.0454
1729:	85	3	85	85	-	86	2	86	86	672.30714	-0.50	-0.0352
1730:	83	3	83	83	-	84	2	84	84	673.97111	-0.50	0.0657
1731:	82	3	82	82	-	83	2	83	83	674.79893	-0.50	-0.2067
1732:	81	3	81	81	-	82	2	82	82	675.62466	-0.50	-0.0018
1733:	80	3	80	80	-	81	2	81	81	676.44765	-0.50	0.0347
1734:	79	3	79	79	-	80	2	80	80	677.26808	-0.50	0.0872
1735:	78	3	78	78	-	79	2	79	79	678.08555	-0.50	-0.2400
1736:	77	3	77	77	-	78	2	78	78	678.90104	-0.50	0.0374
1737:	76	3	76	76	-	77	2	77	77	679.71334	-0.50	-0.2861
1738:	75	3	75	75	-	76	2	76	76	680.52380	-0.50	0.1439
1739:	74	3	74	74	-	75	2	75	75	681.33091	-0.50	-0.1784
1740:	73	3	73	73	-	74	2	74	74	682.13594	-0.50	0.0216
1741:	72	3	72	72	-	73	2	73	73	682.93809	-0.50	-0.0518
1742:	71	3	71	71	-	72	2	72	72	683.73770	-0.50	-0.0543
1743:	70	3	70	70	-	71	2	71	71	684.53481	-0.50	0.0587
1744:	69	3	69	69	-	70	2	70	70	685.32907	-0.50	-0.0585
1745:	68	3	68	68	-	69	2	69	69	686.12090	-0.50	0.0186
1746:	67	3	67	67	-	68	2	68	68	686.91004	-0.50	0.0343
1747:	66	3	66	66	-	67	2	67	67	687.69694	-0.50	0.4432
1748:	65	3	65	65	-	66	2	66	66	688.48053	-0.50	0.1795
1749:	64	3	64	64	-	65	2	65	65	689.26160	-0.50	0.0379
1750:	63	3	63	63	-	64	2	64	64	690.04011	-0.50	-0.0173
1751:	62	3	62	62	-	63	2	63	63	690.81608	-0.50	0.0384
1752:	61	3	61	61	-	62	2	62	62	691.58935	-0.50	0.0495
1753:	60	3	60	60	-	61	2	61	61	692.35991	-0.50	0.0104
1754:	59	3	59	59	-	60	2	60	60	693.12789	-0.50	0.0555
1755:	58	3	58	58	-	59	2	59	59	693.89314	-0.50	0.0395
1756:	57	3	57	57	-	58	2	58	58	694.65591	-0.50	0.2167
1757:	56	3	56	56	-	57	2	57	57	695.41566	-0.50	0.0517

1758:	55	3	55	55	-	56	2	56	56	696.17281	-0.50	-0.0311
1759:	54	3	54	54	-	55	2	55	55	696.92730	-0.50	-0.0872
1760:	53	3	53	53	-	54	2	54	54	697.67929	-0.50	0.0480
1761:	52	3	52	52	-	53	2	53	53	698.42827	-0.50	-0.1310
1762:	51	3	51	51	-	52	2	52	52	699.17483	-0.50	-0.0298
1763:	50	3	50	50	-	51	2	51	51	699.91867	-0.50	0.0562
1764:	49	3	49	49	-	50	2	50	50	700.65999	-0.50	0.3316
1765:	48	3	48	48	-	49	2	49	49	701.39788	-0.50	-0.1092
1766:	47	3	47	47	-	48	2	48	48	702.13353	-0.50	-0.0715
1767:	46	3	46	46	-	47	2	47	47	702.86661	-0.50	0.1191
1768:	44	3	44	44	-	45	2	45	45	704.32388	-0.50	-0.2027
1769:	43	3	43	43	-	44	2	44	44	705.04853	-0.50	-0.2460
1770:	42	3	42	42	-	43	2	43	43	705.77073	-0.50	0.0020
1771:	41	3	41	41	-	42	2	42	42	706.48991	-0.50	-0.0243
1772:	40	3	40	40	-	41	2	41	41	707.20641	-0.50	0.0197
1773:	39	3	39	39	-	40	2	40	40	707.92012	-0.50	0.0286
1774:	38	3	38	38	-	39	2	39	39	708.63084	-0.50	-0.1929
1775:	37	3	37	37	-	38	2	38	38	709.33927	-0.50	0.0596
1776:	36	3	36	36	-	37	2	37	37	710.04464	-0.50	0.0208
1777:	35	3	35	35	-	36	2	36	36	710.74752	-0.50	0.2653
1778:	34	3	34	34	-	35	2	35	35	711.44717	-0.50	0.0577
1779:	33	3	33	33	-	34	2	34	34	712.14414	-0.50	-0.0474
1780:	32	3	32	32	-	33	2	33	33	712.83864	-0.50	0.1647
1781:	31	3	31	31	-	32	2	32	32	713.53018	-0.50	0.2085
1782:	30	3	30	30	-	31	2	31	31	714.21925	-0.50	0.5787
1783:	29	3	29	29	-	30	2	30	30	714.90483	-0.50	0.2599
1784:	28	3	28	28	-	29	2	29	29	715.58776	-0.50	0.0968
1785:	26	3	26	26	-	27	2	27	27	716.94531	-0.50	-0.1039
1786:	25	3	25	25	-	26	2	26	26	717.61970	-0.50	-0.3622
1787:	24	3	24	24	-	25	2	25	25	718.29143	-0.50	-0.4562
1788:	23	3	23	23	-	24	2	24	24	718.96089	-0.50	0.0087
1789:	22	3	22	22	-	23	2	23	23	719.62703	-0.50	-0.0128
1790:	21	3	21	21	-	22	2	22	22	720.29015	-0.50	-0.2160
1791:	20	3	20	20	-	21	2	21	21	720.95096	-0.50	0.1137
1792:	19	3	19	19	-	20	2	20	20	721.60849	-0.50	0.0111
1793:	17	3	17	17	-	18	2	18	18	722.91498	-0.50	-0.2025
1794:	16	3	16	16	-	17	2	17	17	723.56424	-0.50	-0.0041
1795:	15	3	15	15	-	16	2	16	16	724.21043	-0.50	-0.0092
1796:	14	3	14	14	-	15	2	15	15	724.85381	-0.50	0.0468
1797:	13	3	13	13	-	14	2	14	14	725.49423	-0.50	0.0186
1798:	12	3	12	12	-	13	2	13	13	726.13142	-0.50	-0.3590
1799:	11	3	11	11	-	12	2	12	12	726.76653	-0.50	0.0687
1800:	10	3	10	10	-	11	2	11	11	727.39829	-0.50	0.0364
1801:	9	3	9	9	-	10	2	10	10	728.02667	-0.50	-0.4811
1802:	8	3	8	8	-	9	2	9	9	728.65317	-0.50	0.0209
1803:	7	3	7	7	-	8	2	8	8	729.27624	-0.50	-0.0029
1804:	6	3	6	6	-	7	2	7	7	729.89618	-0.50	-0.2477
1805:	5	3	5	5	-	6	2	6	6	730.51365	-0.50	-0.0488
1806:	4	3	4	4	-	5	2	5	5	731.12816	-0.50	0.1086
1807:	3	3	3	3	-	4	2	4	4	731.73949	-0.50	0.0093
1808:	2	3	2	2	-	3	2	3	3	732.34793	-0.50	-0.0520
1809:	2	3	2	2	-	1	2	1	1	735.34651	-0.50	0.1094
1810:	5	3	5	5	-	4	2	4	4	737.10993	-0.50	-0.0790
1811:	6	3	6	6	-	5	2	5	5	737.69235	-0.50	0.4074
1812:	7	3	7	7	-	6	2	6	6	738.27110	-0.50	0.1998
1813:	8	3	8	8	-	7	2	7	7	738.84690	-0.50	0.0231
1814:	9	3	9	9	-	8	2	8	8	739.41941	-0.50	-0.4580
1815:	10	3	10	10	-	9	2	9	9	739.98991	-0.50	0.0414
1816:	11	3	11	11	-	10	2	10	10	740.55699	-0.50	0.1161
1817:	12	3	12	12	-	11	2	11	11	741.12056	-0.50	-0.3191
1818:	13	3	13	13	-	12	2	12	12	741.68171	-0.50	-0.1692
1819:	14	3	14	14	-	13	2	13	13	742.23994	-0.50	0.0705
1820:	15	3	15	15	-	14	2	14	14	742.79486	-0.50	0.0150
1821:	16	3	16	16	-	15	2	15	15	743.34671	-0.50	-0.0910
1822:	17	3	17	17	-	16	2	16	16	743.89566	-0.50	-0.0725
1823:	18	3	18	18	-	17	2	17	17	744.44169	-0.50	0.0554
1824:	19	3	19	19	-	18	2	18	18	744.98439	-0.50	-0.1126
1825:	20	3	20	20	-	19	2	19	19	745.52417	-0.50	-0.1615
1826:	21	3	21	21	-	20	2	20	20	746.06104	-0.50	-0.0764
1827:	22	3	22	22	-	21	2	21	21	746.59487	-0.50	0.0176
1828:	23	3	23	23	-	22	2	22	22	747.12542	-0.50	-0.1147

1829:	24	3	24	24	-	23	2	23	23	747.65312	-0.50	-0.0383
1830:	25	3	25	25	-	24	2	24	24	748.17770	-0.50	-0.0183
1831:	26	3	26	26	-	25	2	25	25	748.69918	-0.50	-0.0298
1832:	28	3	28	28	-	27	2	27	27	749.73297	-0.50	0.0024
1833:	29	3	29	29	-	28	2	28	28	750.24522	-0.50	-0.0040
1834:	30	3	30	30	-	29	2	29	29	750.75435	-0.50	-0.0423
1835:	31	3	31	31	-	30	2	30	30	751.26036	-0.50	-0.1074
1836:	32	3	32	32	-	31	2	31	31	751.76344	-0.50	-0.0044
1837:	33	3	33	33	-	32	2	32	32	752.26322	-0.50	-0.0984
1838:	34	3	34	34	-	33	2	33	33	752.75999	-0.50	-0.0943
1839:	35	3	35	35	-	34	2	34	34	753.25375	-0.50	0.0127
1840:	36	3	36	36	-	35	2	35	35	753.74416	-0.50	-0.1124
1841:	37	3	37	37	-	36	2	36	36	754.23163	-0.50	-0.0546
1842:	38	3	38	38	-	37	2	37	37	754.71664	-0.50	0.6711
1843:	39	3	39	39	-	38	2	38	38	755.19712	-0.50	-0.0003
1844:	40	3	40	40	-	39	2	39	39	755.67501	-0.50	-0.1239
1845:	41	3	41	41	-	40	2	40	40	756.15044	-0.50	0.4353
1846:	42	3	42	42	-	41	2	41	41	756.62162	-0.50	-0.1076
1847:	43	3	43	43	-	42	2	42	42	757.09036	-0.50	0.0624
1848:	44	3	44	44	-	43	2	43	43	757.55572	-0.50	0.0102
1849:	45	3	45	45	-	44	2	44	44	758.01805	-0.50	0.0908
1850:	46	3	46	46	-	45	2	45	45	758.47702	-0.50	-0.0206
1851:	47	3	47	47	-	46	2	46	46	758.93256	-0.50	-0.3892
1852:	48	3	48	48	-	47	2	47	47	759.38565	-0.50	-0.0298
1853:	49	3	49	49	-	48	2	48	48	759.83520	-0.50	-0.0274
1854:	50	3	50	50	-	49	2	49	49	760.28183	-0.50	0.2431
1855:	51	3	51	51	-	50	2	50	50	760.72461	-0.50	-0.1434
1856:	52	3	52	52	-	51	2	51	51	761.16478	-0.50	0.0582
1857:	53	3	53	53	-	52	2	52	52	761.60149	-0.50	0.0030
1858:	54	3	54	54	-	53	2	53	53	762.03508	-0.50	0.0361
1859:	55	3	55	55	-	54	2	54	54	762.46536	-0.50	-0.0275
1860:	56	3	56	56	-	55	2	55	55	762.89252	-0.50	0.0073
1861:	58	3	58	58	-	57	2	57	57	763.73715	-0.50	0.0624
1862:	59	3	59	59	-	58	2	58	58	764.15465	-0.50	0.1229
1863:	60	3	60	60	-	59	2	59	59	764.56873	-0.50	0.0022
1864:	61	3	61	61	-	60	2	60	60	764.97978	-0.50	0.0954
1865:	62	3	62	62	-	61	2	61	61	765.38751	-0.50	0.1176
1866:	63	3	63	63	-	62	2	62	62	765.79237	-0.50	0.5238
1867:	64	3	64	64	-	63	2	63	63	766.19298	-0.50	-0.0607
1868:	65	3	65	65	-	64	2	64	64	766.59129	-0.50	0.3191
1869:	66	3	66	66	-	65	2	65	65	766.98566	-0.50	0.0285
1870:	67	3	67	67	-	66	2	66	66	767.37699	-0.50	-0.0275
1871:	68	3	68	68	-	67	2	67	67	767.76518	-0.50	0.0562
1872:	69	3	69	69	-	68	2	68	68	768.14968	-0.50	-0.2651
1873:	70	3	70	70	-	69	2	69	69	768.53153	-0.50	0.0537
1874:	71	3	71	71	-	70	2	70	70	768.90979	-0.50	0.0777
1875:	72	3	72	72	-	71	2	71	71	769.28467	-0.50	0.0222
1876:	73	3	73	73	-	72	2	72	72	769.65627	-0.50	-0.0077
1877:	74	3	74	74	-	73	2	73	73	770.02457	-0.50	-0.0268
1878:	75	3	75	75	-	74	2	74	74	770.38960	-0.50	0.0001
1879:	76	3	76	76	-	75	2	75	75	770.75124	-0.50	-0.0418
1880:	77	3	77	77	-	76	2	76	76	771.10964	-0.50	0.0027
1881:	78	3	78	78	-	77	2	77	77	771.46476	-0.50	0.0988
1882:	79	3	79	79	-	78	2	78	78	771.81625	-0.50	-0.0983
1883:	80	3	80	80	-	79	2	79	79	772.16480	-0.50	0.1067
1884:	81	3	81	81	-	80	2	80	80	772.50976	-0.50	0.0689
1885:	82	3	82	82	-	81	2	81	81	772.85135	-0.50	0.0137
1886:	83	3	83	83	-	82	2	82	82	773.18981	-0.50	0.1862
1887:	84	3	84	84	-	83	2	83	83	773.52465	-0.50	0.1017
1888:	85	3	85	85	-	84	2	84	84	773.85647	-0.50	0.3655
1889:	86	3	86	86	-	85	2	85	85	774.18450	-0.50	0.2129
1890:	87	3	87	87	-	86	2	86	86	774.50920	-0.50	0.1090
1891:	89	3	89	89	-	88	2	88	88	775.14839	-0.50	-0.1512
1892:	90	3	90	90	-	89	2	89	89	775.46310	-0.50	-0.0770
1893:	93	3	93	93	-	92	2	92	92	776.38645	-0.50	-0.2134
1894:	94	3	94	94	-	93	2	93	93	776.68790	-0.50	0.2325
1895:	95	3	95	95	-	94	2	94	94	776.98527	-0.50	0.0196
1896:	96	3	96	96	-	95	2	95	95	777.27982	-0.50	0.4133
1897:	97	3	97	97	-	96	2	96	96	777.57081	-0.50	0.6788
1898:	98	3	98	98	-	97	2	97	97	777.85751	-0.50	0.0916
1899:	99	3	99	99	-	98	2	98	98	778.14134	-0.50	0.0770

1900:	100	3	100	100	-	99	2	99	99	778.42164	-0.50	-0.0196
1901:	101	3	101	101	-	100	2	100	100	778.69869	-0.50	0.0871
1902:	102	3	102	102	-	101	2	101	101	778.97227	-0.50	0.1825
1903:	103	3	103	103	-	102	2	102	102	779.24163	-0.50	-0.4780
1904:	104	3	104	104	-	103	2	103	103	779.50856	-0.50	-0.0991
1905:	105	3	105	105	-	104	2	104	104	779.77151	-0.50	-0.2252
1906:	106	3	106	106	-	105	2	105	105	780.03231	-0.50	0.9790
1907:	107	3	107	107	-	106	2	106	106	780.28738	-0.50	-0.0612
1908:	108	3	108	108	-	107	2	107	107	780.54021	-0.50	0.1498
1909:	112	4	112	112	-	113	3	113	113	644.03646	-0.50	-0.8331
1910:	111	4	111	111	-	112	3	112	112	644.93464	-0.50	-0.4484
1911:	110	4	110	110	-	111	3	111	111	645.82979	-0.50	-0.6487
1912:	107	4	107	107	-	108	3	108	108	648.50171	-0.50	-0.0677
1913:	106	4	106	106	-	107	3	107	107	649.38721	-0.50	-0.0963
1914:	105	4	105	105	-	106	3	106	106	650.27104	-0.50	0.6708
1915:	104	4	104	104	-	105	3	105	105	651.15131	-0.50	0.3480
1916:	103	4	103	103	-	104	3	104	104	652.02909	-0.50	0.0093
1917:	102	4	102	102	-	103	3	103	103	652.90498	-0.50	0.2590
1918:	101	4	101	101	-	102	3	102	102	653.77807	-0.50	0.1912
1919:	100	4	100	100	-	101	3	101	101	654.64852	-0.50	-0.0299
1920:	99	4	99	99	-	100	3	100	100	655.51670	-0.50	-0.0300
1921:	98	4	98	98	-	99	3	99	99	656.38324	-0.50	0.8250
1922:	97	4	97	97	-	98	3	98	98	657.24524	-0.50	-0.3606
1923:	96	4	96	96	-	97	3	97	97	658.10625	-0.50	-0.0326
1924:	95	4	95	95	-	96	3	96	96	658.96465	-0.50	0.1933
1925:	94	4	94	94	-	95	3	95	95	659.82022	-0.50	0.1012
1926:	93	4	93	93	-	94	3	94	94	660.67383	-0.50	0.5655
1927:	92	4	92	92	-	93	3	93	93	661.52379	-0.50	-0.0996
1928:	91	4	91	91	-	92	3	92	92	662.37179	-0.50	-0.1998
1929:	90	4	90	90	-	91	3	91	91	663.21800	-0.50	0.4391
1930:	89	4	89	89	-	90	3	90	90	664.06083	-0.50	0.2314
1931:	88	4	88	88	-	89	3	89	89	664.90107	-0.50	-0.0286
1932:	87	4	87	87	-	88	3	88	88	665.73914	-0.50	0.0834
1933:	86	4	86	86	-	87	3	87	87	666.57447	-0.50	0.0017
1934:	85	4	85	85	-	86	3	86	86	667.40741	-0.50	0.0806
1935:	84	4	84	84	-	85	3	85	85	668.23774	-0.50	0.1045
1936:	82	4	82	82	-	83	3	83	83	669.89078	-0.50	0.2141
1937:	81	4	81	81	-	82	3	82	82	670.71300	-0.50	-0.1814
1938:	80	4	80	80	-	81	3	81	81	671.53340	-0.50	0.1753
1939:	79	4	79	79	-	80	3	80	80	672.35087	-0.50	0.1786
1940:	78	4	78	78	-	79	3	79	79	673.16567	-0.50	0.0928
1941:	77	4	77	77	-	78	3	78	78	673.97776	-0.50	-0.1177
1942:	76	4	76	76	-	77	3	77	77	674.78693	-0.50	-0.6586
1943:	75	4	75	75	-	76	3	76	76	675.59468	-0.50	-0.0255
1944:	74	4	74	74	-	75	3	75	75	676.39913	-0.50	-0.0939
1945:	73	4	73	73	-	74	3	74	74	677.20088	-0.50	-0.2596
1946:	72	4	72	72	-	73	3	73	73	678.00045	-0.50	0.0018
1947:	71	4	71	71	-	72	3	72	72	678.79733	-0.50	0.1849
1948:	70	4	70	70	-	71	3	71	71	679.59092	-0.50	-0.3061
1949:	69	4	69	69	-	70	3	70	70	680.38269	-0.50	0.0032
1950:	68	4	68	68	-	69	3	69	69	681.17163	-0.50	0.1074
1951:	67	4	67	67	-	68	3	68	68	681.95790	-0.50	0.1707
1952:	66	4	66	66	-	67	3	67	67	682.74133	-0.50	0.0277
1953:	65	4	65	65	-	66	3	66	66	683.52236	-0.50	0.1227
1954:	64	4	64	64	-	65	3	65	65	684.30065	-0.50	0.1202
1955:	63	4	63	63	-	64	3	64	64	685.07625	-0.50	0.0747
1956:	62	4	62	62	-	63	3	63	63	685.84904	-0.50	-0.1294
1957:	61	4	61	61	-	62	3	62	62	686.61950	-0.50	-0.0077
1958:	60	4	60	60	-	61	3	61	61	687.38726	-0.50	0.0743
1959:	59	4	59	59	-	60	3	60	60	688.15233	-0.50	0.1311
1960:	58	4	58	58	-	59	3	59	59	688.91455	-0.50	0.0072
1961:	57	4	57	57	-	58	3	58	58	689.67425	-0.50	0.0370
1962:	56	4	56	56	-	57	3	57	57	690.43111	-0.50	-0.0950
1963:	55	4	55	55	-	56	3	56	56	691.18542	-0.50	-0.0943
1964:	54	4	54	54	-	55	3	55	55	691.93718	-0.50	0.0436
1965:	53	4	53	53	-	54	3	54	54	692.68611	-0.50	0.0432
1966:	52	4	52	52	-	53	3	53	53	693.43192	-0.50	-0.3809
1967:	51	4	51	51	-	52	3	52	52	694.17587	-0.50	0.0356
1968:	50	4	50	50	-	51	3	51	51	694.91659	-0.50	-0.0726
1969:	49	4	49	49	-	50	3	50	50	695.65475	-0.50	-0.0310
1970:	48	4	48	48	-	49	3	49	49	696.39022	-0.50	0.0349

1971:	47	4	47	47	-	48	3	48	48	697.12285	-0.50	-0.0204
1972:	44	4	44	44	-	45	3	45	45	699.30459	-0.50	0.0222
1973:	43	4	43	43	-	44	3	44	44	700.02631	-0.50	-0.0223
1974:	42	4	42	42	-	43	3	43	43	700.74526	-0.50	-0.0951
1975:	41	4	41	41	-	42	3	42	42	701.46151	-0.50	-0.1218
1976:	40	4	40	40	-	41	3	41	41	702.17476	-0.50	-0.3978
1977:	39	4	39	39	-	40	3	40	40	702.88659	-0.50	0.6616
1978:	37	4	37	37	-	38	3	38	38	704.29920	-0.50	0.0147
1979:	36	4	36	36	-	37	3	37	37	705.00168	-0.50	0.0175
1980:	35	4	35	35	-	36	3	36	36	705.70082	-0.50	-0.5459
1981:	34	4	34	34	-	35	3	35	35	706.39817	-0.50	-0.1210
1982:	33	4	33	33	-	34	3	34	34	707.09251	-0.50	0.0768
1983:	32	4	32	32	-	33	3	33	33	707.78436	-0.50	0.5721
1984:	31	4	31	31	-	32	3	32	32	708.47216	-0.50	-0.1904
1985:	30	4	30	30	-	31	3	31	31	709.15785	-0.50	-0.2661
1986:	29	4	29	29	-	30	3	30	30	709.84106	-0.50	-0.0204
1987:	28	4	28	28	-	29	3	29	29	710.52081	-0.50	-0.4287
1988:	27	4	27	27	-	28	3	28	28	711.19911	-0.50	0.5238
1989:	26	4	26	26	-	27	3	27	27	711.87372	-0.50	0.6016
1990:	25	4	25	25	-	26	3	26	26	712.54546	-0.50	0.6294
1991:	24	4	24	24	-	25	3	25	25	713.21418	-0.50	0.4619
1992:	23	4	23	23	-	24	3	24	24	713.87978	-0.50	0.0037
1993:	22	4	22	22	-	23	3	23	23	714.54341	-0.50	0.4095
1994:	21	4	21	21	-	22	3	22	22	715.20305	-0.50	-0.3360
1995:	20	4	20	20	-	21	3	21	21	715.86090	-0.50	-0.0282
1996:	19	4	19	19	-	20	3	20	20	716.51570	-0.50	0.0777
1997:	18	4	18	18	-	19	3	19	19	717.16714	-0.50	-0.3237
1998:	17	4	17	17	-	18	3	18	18	717.81614	-0.50	-0.3077
1999:	15	4	15	15	-	16	3	16	16	719.10590	-0.50	0.0755
2000:	14	4	14	14	-	15	3	15	15	719.74645	-0.50	0.2421
2001:	13	4	13	13	-	14	3	14	14	720.38363	-0.50	-0.0851
2002:	12	4	12	12	-	13	3	13	13	721.01835	-0.50	0.0087
2003:	11	4	11	11	-	12	3	12	12	721.64984	-0.50	-0.2418
2004:	7	4	7	7	-	8	3	8	8	724.14812	-0.50	0.0281
2005:	3	4	3	3	-	2	3	2	2	730.77622	-0.50	-0.4534
2006:	4	4	4	4	-	3	3	3	3	731.36148	-0.50	-0.1154
2007:	5	4	5	5	-	4	3	4	4	731.94338	-0.50	-0.1706
2008:	6	4	6	6	-	5	3	5	5	732.52289	-0.50	0.3559
2009:	7	4	7	7	-	6	3	6	6	733.09835	-0.50	-0.1911
2010:	8	4	8	8	-	7	3	7	7	733.67169	-0.50	0.1233
2011:	9	4	9	9	-	8	3	8	8	734.24184	-0.50	0.2338
2012:	10	4	10	10	-	9	3	9	9	734.80867	-0.50	0.0153
2013:	11	4	11	11	-	10	3	10	10	735.37268	-0.50	-0.0273
2014:	13	4	13	13	-	12	3	12	12	736.49177	-0.50	-0.0356
2015:	14	4	14	14	-	13	3	13	13	737.04695	-0.50	0.1084
2016:	15	4	15	15	-	14	3	14	14	737.59900	-0.50	0.1378
2017:	16	4	16	16	-	15	3	15	15	738.14793	-0.50	0.0672
2018:	17	4	17	17	-	16	3	16	16	738.69387	-0.50	0.0318
2019:	18	4	18	18	-	17	3	17	17	739.23674	-0.50	-0.0438
2020:	19	4	19	19	-	18	3	18	18	739.77640	-0.50	-0.2946
2021:	20	4	20	20	-	19	3	19	19	740.31361	-0.50	0.0443
2022:	21	4	21	21	-	20	3	20	20	740.84746	-0.50	0.0678
2023:	22	4	22	22	-	21	3	21	21	741.37840	-0.50	0.2308
2024:	23	4	23	23	-	22	3	22	22	741.90581	-0.50	-0.0818
2025:	24	4	24	24	-	23	3	23	23	742.43063	-0.50	0.0749
2026:	25	4	25	25	-	24	3	24	24	742.95232	-0.50	0.1659
2027:	26	4	26	26	-	25	3	25	25	743.47072	-0.50	0.0360
2028:	28	4	28	28	-	27	3	27	27	744.49840	-0.50	-0.1166
2029:	29	4	29	29	-	28	3	28	28	745.00771	-0.50	-0.0995
2030:	30	4	30	30	-	29	3	29	29	745.51348	-0.50	-0.5334
2031:	31	4	31	31	-	30	3	30	30	746.01724	-0.50	0.1165
2032:	32	4	32	32	-	31	3	31	31	746.51708	-0.50	-0.0547
2033:	33	4	33	33	-	32	3	32	32	747.01382	-0.50	-0.2222
2034:	34	4	34	34	-	33	3	33	33	747.50790	-0.50	0.0590
2035:	36	4	36	36	-	35	3	35	35	748.48612	-0.50	0.0276
2036:	37	4	37	37	-	36	3	36	36	748.97043	-0.50	-0.1050
2037:	38	4	38	38	-	37	3	37	37	749.45243	-0.50	0.5810
2038:	39	4	39	39	-	38	3	38	38	749.93002	-0.50	-0.0094
2039:	40	4	40	40	-	39	3	39	39	750.40511	-0.50	0.0389
2040:	41	4	41	41	-	40	3	40	40	750.87698	-0.50	0.0109
2041:	42	4	42	42	-	41	3	41	41	751.34521	-0.50	-0.5084

2042:	44	4	44	44	-	43	3	43	43	752.27387	-0.50	0.1190
2043:	45	4	45	45	-	44	3	44	44	752.73296	-0.50	-0.0642
2044:	46	4	46	46	-	45	3	45	45	753.18920	-0.50	0.0714
2045:	47	4	47	47	-	46	3	46	46	753.64146	-0.50	-0.5992
2046:	48	4	48	48	-	47	3	47	47	754.09227	-0.50	0.4591
2047:	49	4	49	49	-	48	3	48	48	754.53838	-0.50	0.0012
2048:	52	4	52	52	-	51	3	51	51	755.85891	-0.50	-0.0181
2049:	53	4	53	53	-	52	3	52	52	756.29353	-0.50	0.8204
2050:	54	4	54	54	-	53	3	53	53	756.72327	-0.50	-0.0119
2051:	55	4	55	55	-	54	3	54	54	757.15069	-0.50	0.0502
2052:	57	4	57	57	-	56	3	56	56	757.99562	-0.50	-0.0723
2053:	58	4	58	58	-	57	3	57	57	758.41327	-0.50	-0.1066
2054:	59	4	59	59	-	58	3	58	58	758.82767	-0.50	-0.1561
2055:	60	4	60	60	-	59	3	59	59	759.23918	-0.50	0.1442
2056:	61	4	61	61	-	60	3	60	60	759.64668	-0.50	-0.3205
2057:	62	4	62	62	-	61	3	61	61	760.05162	-0.50	-0.0951
2058:	63	4	63	63	-	62	3	62	62	760.45362	-0.50	0.4456
2059:	64	4	64	64	-	63	3	63	63	760.85121	-0.50	-0.1633
2060:	66	4	66	66	-	65	3	65	65	761.63810	-0.50	0.1306
2061:	68	4	68	68	-	67	3	67	67	762.41160	-0.50	0.1379
2062:	69	4	69	69	-	68	3	68	68	762.79312	-0.50	-0.1617
2063:	70	4	70	70	-	69	3	69	69	763.17113	-0.50	-0.6799
2064:	71	4	71	71	-	70	3	70	70	763.54714	-0.50	0.0984
2065:	72	4	72	72	-	71	3	71	71	763.91899	-0.50	0.0184
2066:	74	4	74	74	-	73	3	73	73	764.65316	-0.50	0.2546
2067:	75	4	75	75	-	74	3	74	74	765.01498	-0.50	0.0811
2068:	77	4	77	77	-	76	3	76	76	765.72903	-0.50	0.1171
2069:	78	4	78	78	-	77	3	77	77	766.08093	-0.50	0.0071
2070:	79	4	79	79	-	78	3	78	78	766.42979	-0.50	0.1953
2071:	80	4	80	80	-	79	3	79	79	766.77492	-0.50	-0.0030
2072:	81	4	81	81	-	80	3	80	80	767.11661	-0.50	-0.2925
2073:	84	4	84	84	-	83	3	83	83	768.12318	-0.50	0.4843
2074:	85	4	85	85	-	84	3	84	84	768.45063	-1.00	-0.5974
2075:	86	4	86	86	-	85	3	85	85	768.77636	-0.50	-0.0241
2076:	87	4	87	87	-	86	3	86	86	769.09823	-0.50	0.0697
2077:	88	4	88	88	-	87	3	87	87	769.41651	-0.50	-0.0408
2078:	89	4	89	89	-	88	3	88	88	769.73123	-0.50	-0.3202
2079:	90	4	90	90	-	89	3	89	89	770.04299	-0.50	-0.1633
2080:	91	4	91	91	-	90	3	90	90	770.35123	-0.50	-0.1248
2081:	92	4	92	92	-	91	3	91	91	770.65609	-0.50	-0.0592
2082:	93	4	93	93	-	92	3	92	92	770.95744	-0.50	-0.0913
2083:	94	4	94	94	-	93	3	93	93	771.25556	-0.50	0.0642
2084:	95	4	95	95	-	94	3	94	94	771.55052	-0.50	0.4828
2085:	96	4	96	96	-	95	3	95	95	771.84062	-0.50	-0.5302
2086:	97	4	97	97	-	96	3	96	96	772.12858	-0.50	-0.2495
2087:	98	4	98	98	-	97	3	97	97	772.41325	-0.50	0.1803
2088:	100	4	100	100	-	99	3	99	99	772.97162	-0.50	0.4089
2089:	101	4	101	101	-	100	3	100	100	773.24498	-0.50	-0.1216
2090:	103	4	103	103	-	102	3	102	102	773.78202	-0.50	-0.4751
2091:	100	5	100	100	-	101	4	101	101	649.79609	-1.50	-1.2258
2092:	98	5	98	98	-	99	4	99	99	651.52515	-1.00	-0.2547
2093:	95	5	95	95	-	96	4	96	96	654.09806	-1.00	-0.7155
2094:	94	5	94	94	-	95	4	95	95	654.95157	-1.00	0.0245
2095:	93	5	93	93	-	94	4	94	94	655.80158	-1.00	-0.2184
2096:	92	5	92	92	-	93	4	93	93	656.64932	-1.00	-0.2099
2097:	91	5	91	91	-	92	4	92	92	657.49485	-0.50	0.1143
2098:	90	5	90	90	-	91	4	91	91	658.33732	-0.50	-0.0915
2099:	89	5	89	89	-	90	4	90	90	659.17703	-0.50	-0.5232
2100:	88	5	88	88	-	89	4	89	89	660.01554	-0.50	0.3836
2101:	86	5	86	86	-	87	4	87	87	661.68252	-0.50	-0.2101
2102:	85	5	85	85	-	86	4	86	86	662.51239	-0.50	-0.3021
2103:	84	5	84	84	-	85	4	85	85	663.34023	-0.50	0.1316
2104:	83	5	83	83	-	84	4	84	84	664.16516	-0.50	0.2152
2105:	82	5	82	82	-	83	4	83	83	664.98732	-0.50	0.0931
2106:	81	5	81	81	-	82	4	82	82	665.80717	-0.50	0.2296
2107:	80	5	80	80	-	81	4	81	81	666.62414	-0.50	0.0591
2108:	79	5	79	79	-	80	4	80	80	667.43834	-0.50	-0.3042
2109:	78	5	78	78	-	79	4	79	79	668.25066	-0.50	0.0342
2110:	75	5	75	75	-	76	4	76	76	670.67113	-0.50	0.0925
2111:	73	5	73	73	-	74	4	74	74	672.27174	-0.50	0.0828
2112:	72	5	72	72	-	73	4	73	73	673.06805	-0.50	-0.0076

2113:	71	5	71	71	-	72	4	72	72	673.86168	-0.50	-0.1657
2114:	70	5	70	70	-	71	4	71	71	674.65318	-0.50	0.1627
2115:	69	5	69	69	-	70	4	70	70	675.44183	-0.50	0.2622
2116:	68	5	68	68	-	69	4	69	69	676.22758	-0.50	0.0871
2117:	67	5	67	67	-	68	4	68	68	677.00994	-0.50	-0.8482
2118:	65	5	65	65	-	66	4	66	66	678.56929	-0.50	-0.1817
2119:	64	5	64	64	-	65	4	65	65	679.34498	-0.50	0.1290
2120:	63	5	63	63	-	64	4	64	64	680.11756	-0.50	-0.0227
2121:	61	5	61	61	-	62	4	62	62	681.65512	-0.50	0.0342
2122:	60	5	60	60	-	61	4	61	61	682.41909	-0.50	-0.7582
2123:	59	5	59	59	-	60	4	60	60	683.18208	-0.50	0.1347
2124:	57	5	57	57	-	58	4	58	58	684.69821	-0.50	0.0845
2125:	55	5	55	55	-	56	4	56	56	686.20354	-0.50	-0.0506
2126:	54	5	54	54	-	55	4	55	55	686.95233	-0.50	0.0363
2127:	52	5	52	52	-	53	4	53	53	688.44170	-0.50	0.0812
2128:	51	5	51	51	-	52	4	52	52	689.18213	-0.50	-0.1017
2129:	50	5	50	50	-	51	4	51	51	689.92007	-0.50	-0.0687
2130:	49	5	49	49	-	50	4	50	50	690.65529	-0.50	-0.0455
2131:	47	5	47	47	-	48	4	48	48	692.11747	-0.50	-0.1100
2132:	46	5	46	46	-	47	4	47	47	692.84421	-0.50	-0.4087
2133:	45	5	45	45	-	46	4	46	46	693.56887	-0.50	-0.0589
2134:	44	5	44	44	-	45	4	45	45	694.29055	-0.50	0.0439
2135:	43	5	43	43	-	44	4	44	44	695.00962	-0.50	0.2742
2136:	42	5	42	42	-	43	4	43	43	695.72541	-0.50	-0.0334
2137:	41	5	41	41	-	42	4	42	42	696.43890	-0.50	0.1058
2138:	40	5	40	40	-	41	4	41	41	697.14949	-0.50	0.0962
2139:	38	5	38	38	-	39	4	39	39	698.56256	-0.50	0.2390
2140:	34	5	34	34	-	35	4	35	35	701.35509	-0.50	0.1316
2141:	33	5	33	33	-	34	4	34	34	702.04615	-0.50	-0.0207
2142:	32	5	32	32	-	33	4	33	33	702.73466	-0.50	0.0650
2143:	30	5	30	30	-	31	4	31	31	704.10310	-0.50	0.0391
2144:	29	5	29	29	-	30	4	30	30	704.78317	-0.50	0.0766
2145:	28	5	28	28	-	29	4	29	29	705.46040	-0.50	0.0808
2146:	27	5	27	27	-	28	4	28	28	706.13485	-0.50	0.1161
2147:	26	5	26	26	-	27	4	27	27	706.80645	-0.50	0.1173
2148:	25	5	25	25	-	26	4	26	26	707.47517	-0.50	0.0590
2149:	24	5	24	24	-	25	4	25	25	708.14116	-0.50	0.0959
2150:	23	5	23	23	-	24	4	24	24	708.80423	-0.50	0.0426
2151:	21	5	21	21	-	22	4	22	22	710.12181	-0.50	-0.1159
2152:	18	5	18	18	-	19	4	19	19	712.07772	-0.50	0.5272
2153:	16	5	16	16	-	17	4	17	17	713.36716	-0.50	0.7378
2154:	14	5	14	14	-	15	4	15	15	714.64466	-0.50	0.4778
2155:	13	5	13	13	-	14	4	14	14	715.27861	-0.50	-0.1394
2156:	11	5	11	11	-	12	4	12	12	716.53890	-0.50	-0.3345
2157:	9	5	9	9	-	10	4	10	10	717.78876	-0.50	0.6043
2158:	8	5	8	8	-	9	4	9	9	718.40898	-0.50	0.7120
2159:	7	5	7	7	-	8	4	8	8	719.02522	-0.50	-0.2551
2160:	6	5	6	6	-	7	4	7	7	719.63920	-0.50	-0.5722
2161:	5	5	5	5	-	6	4	6	6	720.25095	-0.50	-0.2046
2162:	2	5	2	2	-	3	4	3	3	722.06788	-0.50	0.1143
2163:	7	5	7	7	-	6	4	6	6	727.93146	-0.50	-0.2491
2164:	8	5	8	8	-	7	4	7	7	728.50175	-0.50	-0.0324
2165:	13	5	13	13	-	12	4	12	12	731.30713	-0.50	-0.1197
2166:	14	5	14	14	-	13	4	13	13	731.85977	-0.50	0.4407
2167:	15	5	15	15	-	14	4	14	14	732.40837	-0.50	-0.0231
2168:	16	5	16	16	-	15	4	15	15	732.95407	-0.50	-0.3660
2169:	18	5	18	18	-	17	4	17	17	734.03710	-0.50	-0.3397
2170:	19	5	19	19	-	18	4	18	18	734.57436	-0.50	-0.0308
2171:	20	5	20	20	-	19	4	19	19	735.10852	-0.50	0.2185
2172:	21	5	21	21	-	20	4	20	20	735.63932	-0.50	0.1532
2173:	22	5	22	22	-	21	4	21	21	736.16701	-0.50	0.0280
2174:	23	5	23	23	-	22	4	22	22	736.69193	-0.50	0.1880
2175:	24	5	24	24	-	23	4	23	23	737.21355	-0.50	0.1081
2176:	25	5	25	25	-	24	4	24	24	737.73187	-0.50	-0.2069
2177:	27	5	27	27	-	26	4	26	26	738.76057	-0.50	0.4379
2178:	28	5	28	28	-	27	4	27	27	739.26968	-0.50	0.1375
2179:	29	5	29	29	-	28	4	28	28	739.77640	-0.50	0.5319
2180:	30	5	30	30	-	29	4	29	29	740.27916	-0.50	0.0560
2181:	31	5	31	31	-	30	4	30	30	740.77908	-0.50	-0.1652
2182:	33	5	33	33	-	32	4	32	32	741.77025	-0.50	0.0262
2183:	34	5	34	34	-	33	4	33	33	742.26119	-0.50	0.1388

2184:	35	5	35	35	-	34	4	34	34	742.74900	-0.50	0.2360
2185:	36	5	36	36	-	35	4	35	35	743.23344	-0.50	0.0828
2186:	37	5	37	37	-	36	4	36	36	743.71479	-0.50	-0.0359
2187:	38	5	38	38	-	37	4	37	37	744.19315	-0.50	-0.0150
2188:	39	5	39	39	-	38	4	38	38	744.66845	-0.50	0.0804
2189:	40	5	40	40	-	39	4	39	39	745.14037	-0.50	-0.0645
2190:	41	5	41	41	-	40	4	40	40	745.60933	-0.50	-0.0249
2191:	42	5	42	42	-	41	4	41	41	746.07494	-0.50	-0.1856
2192:	43	5	43	43	-	42	4	42	42	746.53770	-0.50	-0.0417
2193:	44	5	44	44	-	43	4	43	43	746.99723	-0.50	0.0319
2194:	46	5	46	46	-	45	4	45	45	747.90649	-0.50	-0.1216
2195:	47	5	47	47	-	46	4	46	46	748.35664	-0.50	0.0813
2196:	48	5	48	48	-	47	4	47	47	748.80346	-0.50	0.1342
2197:	49	5	49	49	-	48	4	48	48	749.24686	-0.50	-0.0480
2198:	50	5	50	50	-	49	4	49	49	749.68730	-0.50	-0.0002
2199:	53	5	53	53	-	52	4	52	52	750.98937	-0.50	0.0844
2200:	54	5	54	54	-	53	4	53	53	751.41689	-0.50	0.0232
2201:	55	5	55	55	-	54	4	54	54	751.84069	-0.50	-0.5425
2202:	57	5	57	57	-	56	4	56	56	752.68039	-0.50	0.0929
2203:	58	5	58	58	-	57	4	57	57	753.09514	-0.50	0.1543
2204:	59	5	59	59	-	58	4	58	58	753.50659	-0.50	0.1517
2205:	60	5	60	60	-	59	4	59	59	753.91476	-0.50	0.1101
2206:	64	5	64	64	-	63	4	63	63	755.51481	-0.50	-0.1724
2207:	65	5	65	65	-	64	4	64	64	755.90698	-0.50	0.0687
2208:	67	5	67	67	-	66	4	66	66	756.68073	-0.50	-0.2180
2209:	69	5	69	69	-	68	4	68	68	757.44208	-0.50	0.2249
2210:	70	5	70	70	-	69	4	69	69	757.81753	-0.50	0.1579
2211:	71	5	71	71	-	70	4	70	70	758.18939	-0.50	-0.2011
2212:	85	6	85	85	-	86	5	86	86	657.62427	-1.50	1.1724
2213:	83	6	83	83	-	84	5	84	84	659.27001	-0.50	0.4442
2214:	82	6	82	82	-	83	5	83	83	660.08947	-0.50	0.5157
2215:	81	6	81	81	-	82	5	82	82	660.90549	-0.50	-0.2834
2216:	79	6	79	79	-	80	5	80	80	662.53173	-0.50	0.0439
2217:	78	6	78	78	-	79	5	79	79	663.34023	-0.50	-0.5410
2218:	77	6	77	77	-	78	5	78	78	664.14718	-0.50	-0.0892
2219:	76	6	76	76	-	77	5	77	77	664.95105	-0.50	-0.1262
2220:	75	6	75	75	-	76	5	76	76	665.75212	-0.50	-0.3678
2221:	74	6	74	74	-	75	5	75	75	666.55087	-0.50	-0.3296
2222:	73	6	73	73	-	74	5	74	74	667.34825	-0.50	0.9428
2223:	72	6	72	72	-	73	5	73	73	668.14069	-0.50	-0.1162
2224:	71	6	71	71	-	72	5	72	72	668.93145	-0.50	-0.2423
2225:	70	6	70	70	-	71	5	71	71	669.71990	-0.50	-0.0610
2226:	69	6	69	69	-	70	5	70	70	670.50408	-1.50	-1.5280
2227:	68	6	68	68	-	69	5	69	69	671.28849	-0.50	-0.1388
2228:	67	6	67	67	-	68	5	68	68	672.06954	-0.50	0.5208
2229:	66	6	66	66	-	67	5	67	67	672.84665	-0.50	-0.1245
2230:	65	6	65	65	-	66	5	66	66	673.62168	-0.50	-0.2105
2231:	64	6	64	64	-	65	5	65	65	674.39429	-0.50	-0.0727
2232:	63	6	63	63	-	64	5	64	64	675.16434	-0.50	0.1533
2233:	62	6	62	62	-	63	5	63	63	675.93144	-0.50	0.0821
2234:	61	6	61	61	-	62	5	62	62	676.69600	-0.50	0.1279
2235:	60	6	60	60	-	61	5	61	61	677.45823	-0.50	0.5053
2236:	59	6	59	59	-	60	5	60	60	678.21724	-0.50	0.3287
2237:	57	6	57	57	-	58	5	58	58	679.72616	-0.50	-1.1084
2238:	56	6	56	56	-	57	5	57	57	680.47789	-0.50	-0.5401
2239:	55	6	55	55	-	56	5	56	56	681.22737	-0.50	0.4622
2240:	54	6	54	54	-	55	5	55	55	681.97280	-0.50	0.1029
2241:	53	6	53	53	-	54	5	54	54	682.71609	-0.50	0.2964
2242:	52	6	52	52	-	53	5	53	53	683.45638	-0.50	0.1874
2243:	51	6	51	51	-	52	5	52	52	684.19372	-0.50	-0.1697
2244:	50	6	50	50	-	51	5	51	51	684.92856	-0.50	-0.3204
2245:	49	6	49	49	-	50	5	50	50	685.66098	-0.50	-0.1801
2246:	48	6	48	48	-	49	5	49	49	686.39103	-0.50	0.3056
2247:	47	6	47	47	-	48	5	48	48	687.11864	-1.00	1.0713
2248:	46	6	46	46	-	47	5	47	47	687.84159	-0.50	-0.0984
2249:	45	6	45	45	-	46	5	46	46	688.56310	-0.50	0.0209
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2251:	43	6	43	43	-	44	5	44	44	689.99786	-0.50	0.2050
2252:	42	6	42	42	-	43	5	43	43	690.71054	-0.50	-0.2912
2253:	38	6	38	38	-	39	5	39	39	693.53601	-0.50	-0.0071
2254:	36	6	36	36	-	37	5	37	37	694.93192	-0.50	-0.1146

2255:	35	6	35	35	-	36	5	36	36	695.62606	-0.50	0.1765
2256:	33	6	33	33	-	34	5	34	34	697.00530	-0.50	0.0616
2257:	32	6	32	32	-	33	5	33	33	697.69071	-0.50	-0.0252
2258:	31	6	31	31	-	32	5	32	32	698.37365	-0.50	0.2112
2259:	30	6	30	30	-	31	5	31	31	699.05340	-0.50	0.0556
2260:	29	6	29	29	-	30	5	30	30	699.73047	-0.50	0.0225
2261:	28	6	28	28	-	29	5	29	29	700.40553	-0.50	0.7865
2262:	27	6	27	27	-	28	5	28	28	701.07674	-0.50	0.5123
2263:	25	6	25	25	-	26	5	26	26	702.41048	-0.50	-0.2620
2264:	24	6	24	24	-	25	5	25	25	703.07413	-0.50	0.3672
2265:	23	6	23	23	-	24	5	24	24	703.73365	-0.50	-0.3032
2266:	22	6	22	22	-	23	5	23	23	704.39141	-0.50	0.1016
2267:	19	6	19	19	-	20	5	20	20	706.34646	-0.50	0.1432
2268:	18	6	18	18	-	19	5	19	19	706.99257	-0.50	0.2852
2269:	17	6	17	17	-	18	5	18	18	707.63568	-0.50	0.2858
2270:	15	6	15	15	-	16	5	16	16	708.91339	-0.50	0.3714
2271:	13	6	13	13	-	14	5	14	14	710.17950	-0.50	0.3477
2272:	10	6	10	10	-	9	5	9	9	724.46289	-0.50	0.2590
2273:	11	6	11	11	-	10	5	10	10	725.02085	-0.50	0.0768
2274:	12	6	12	12	-	11	5	11	11	725.57651	-0.50	0.5966
2275:	18	6	18	18	-	17	5	17	17	728.84342	-0.50	-0.0168
2276:	19	6	19	19	-	18	5	18	18	729.37805	-0.50	0.6245
2277:	21	6	21	21	-	20	5	20	20	730.43664	-0.50	0.3657
2278:	23	6	23	23	-	22	5	22	22	731.48308	-0.50	0.1611
2279:	24	6	24	24	-	23	5	23	23	732.00167	-0.50	0.0178
2280:	26	6	26	26	-	25	5	25	25	733.03067	-0.50	0.7535
2281:	27	6	27	27	-	26	5	26	26	733.53995	-0.50	0.5125
2282:	28	6	28	28	-	27	5	27	27	734.04665	-0.50	0.7723
2283:	29	6	29	29	-	28	5	28	28	734.54932	-0.50	0.0877
2284:	31	6	31	31	-	30	5	30	30	735.54749	-0.50	0.8254
2285:	32	6	32	32	-	31	5	31	31	736.04089	-0.50	0.1576
2286:	36	6	36	36	-	35	5	35	35	737.98602	-0.50	0.1221
2287:	37	6	37	37	-	36	5	36	36	738.46473	-0.50	0.3421
2288:	38	6	38	38	-	37	5	37	37	738.93946	-0.50	-0.2873
2289:	40	6	40	40	-	39	5	39	39	739.88141	-0.50	0.3557
2290:	41	6	41	41	-	40	5	40	40	740.34705	-0.50	0.0582
2291:	44	6	44	44	-	43	5	43	43	741.72534	-0.50	-0.5401
2292:	45	6	45	45	-	44	5	44	44	742.17888	-0.50	-0.3046
2293:	47	6	47	47	-	46	5	46	46	743.07638	-0.50	0.1042
2294:	48	6	48	48	-	47	5	47	47	743.52022	-0.50	0.1676
2295:	49	6	49	49	-	48	5	48	48	743.95971	-0.50	-0.9328
2296:	52	6	52	52	-	51	5	51	51	745.26329	-0.50	0.0435
2297:	56	6	56	56	-	55	5	55	55	746.95472	-0.50	-0.4165
2298:	57	6	57	57	-	56	5	56	56	747.36983	-0.50	-0.2244
2299:	58	6	58	58	-	57	5	57	57	747.78165	-0.50	-0.0901
2300:	59	6	59	59	-	58	5	58	58	748.19051	-0.50	0.3214
2301:	60	6	60	60	-	59	5	59	59	748.59533	-0.50	-0.0646
2302:	64	6	64	64	-	63	5	63	63	750.18337	-0.50	-0.3213
2303:	65	6	65	65	-	64	5	64	64	750.57270	-0.50	0.0922
2304:	68	6	68	68	-	67	5	67	67	751.71922	-0.50	-0.4757
2305:	70	6	70	70	-	69	5	69	69	752.46798	-0.50	-0.0043
2306:	71	6	71	71	-	70	5	70	70	752.83725	-0.50	0.0680
2307:	72	6	72	72	-	71	5	71	71	753.20391	-0.50	0.8350
2308:	73	6	73	73	-	72	5	72	72	753.56633	-0.50	0.6721
2309:	75	6	75	75	-	74	5	74	74	754.28058	-0.50	-0.2930
2310:	77	6	77	77	-	76	5	76	76	754.98373	-0.50	0.9449
2311:	78	6	78	78	-	77	5	77	77	755.32852	-0.50	-0.2195
2312:	80	6	80	80	-	79	5	79	79	756.01282	-1.50	2.2018
2313:	82	6	82	82	-	81	5	81	81	756.68073	-1.50	1.6415
2314:	88	6	88	88	-	87	5	87	87	758.60356	-1.50	-0.0636
2315:	68	7	68	68	-	69	6	69	69	666.35479	-0.50	0.0222
2316:	67	7	67	67	-	68	6	68	68	667.13301	-1.00	0.7504
2317:	66	7	66	66	-	67	6	67	67	667.90861	-1.50	1.4943
2318:	64	7	64	64	-	65	6	65	65	669.44964	-0.50	0.7372
2319:	63	7	63	63	-	64	6	64	64	670.21622	-0.50	0.3950
2320:	61	7	61	61	-	62	6	62	62	671.74223	-0.50	0.5254
2321:	60	7	60	60	-	61	6	61	61	672.50141	-0.50	0.7569
2322:	59	7	59	59	-	60	6	60	60	673.25662	-0.50	-0.3148
2323:	58	7	58	58	-	59	6	59	59	674.00992	-0.50	-0.6253
2324:	57	7	57	57	-	58	6	58	58	674.76109	-0.50	-0.3900
2325:	56	7	56	56	-	57	6	57	57	675.50989	-0.50	0.1555

2326:	55	7	55	55	-	56	6	56	56	676.25552	-0.50	0.2157
2327:	53	7	53	53	-	54	6	54	54	677.73836	-0.50	-0.0120
2328:	52	7	52	52	-	53	6	53	53	678.47564	-0.50	-0.2208
2329:	51	7	51	51	-	52	6	52	52	679.21192	-1.00	1.2730
2330:	50	7	50	50	-	51	6	51	51	679.94237	-0.50	-0.3561
2331:	49	7	49	49	-	50	6	50	50	680.67243	-0.50	0.3366
2332:	48	7	48	48	-	49	6	49	49	681.39876	-0.50	0.0154
2333:	47	7	47	47	-	48	6	48	48	682.12302	-0.50	0.3450
2334:	45	7	45	45	-	46	6	46	46	683.56239	-0.50	0.0344
2335:	44	7	44	44	-	45	6	45	45	684.27838	-0.50	0.2834
2336:	43	7	43	43	-	44	6	44	44	684.99149	-0.50	0.3913
2337:	42	7	42	42	-	43	6	43	43	685.70237	-1.00	1.0126
2338:	41	7	41	41	-	42	6	42	42	686.40923	-0.60	0.3619
2339:	40	7	40	40	-	41	6	41	41	687.11412	-0.60	0.4939
2340:	39	7	39	39	-	40	6	40	40	687.81588	-0.60	0.2529
2341:	38	7	38	38	-	39	6	39	39	688.51481	-0.60	-0.0562
2342:	37	7	37	37	-	38	6	38	38	689.21086	-0.60	-0.4791
2343:	36	7	36	36	-	37	6	37	37	689.90439	-0.60	-0.6510
2344:	35	7	35	35	-	36	6	36	36	690.59596	-0.60	-0.0074
2345:	34	7	34	34	-	35	6	35	35	691.28368	-0.60	-0.4337
2346:	33	7	33	33	-	34	6	34	34	691.97012	-0.60	0.6447
2347:	28	7	28	28	-	29	6	29	29	695.35402	-0.50	-0.3303
2348:	27	7	27	27	-	28	6	28	28	696.02195	-0.50	-0.9563
2349:	25	7	25	25	-	26	6	26	26	697.35121	-0.50	-0.3522
2350:	23	7	23	23	-	24	6	24	24	698.66879	-0.50	-0.1221
2351:	17	7	17	17	-	18	6	18	18	702.55303	-0.50	0.2778
2352:	15	7	15	15	-	16	6	16	16	703.82473	-0.50	0.2262
2353:	13	7	13	13	-	14	6	14	14	705.08497	-0.50	0.2083
2354:	10	7	10	10	-	9	6	9	9	719.29769	-0.50	0.1975
2355:	19	7	19	19	-	18	6	18	18	724.18472	-0.50	-0.9128
2356:	21	7	21	21	-	20	6	20	20	725.23835	-0.50	-0.1984
2357:	25	7	25	25	-	24	6	24	24	727.30764	-0.50	-0.0759
2358:	26	7	26	26	-	25	6	25	25	727.81715	-0.50	-0.1906
2359:	27	7	27	27	-	26	6	26	26	728.32388	-0.50	-0.0086
2360:	28	7	28	28	-	27	6	27	27	728.82726	-0.50	-0.0949
2361:	30	7	30	30	-	29	6	29	29	729.82459	-0.50	-0.4324
2362:	32	7	32	32	-	31	6	31	31	730.81014	-0.50	-0.1633
2363:	33	7	33	33	-	32	6	32	32	731.29705	-1.50	-1.2363
2364:	34	7	34	34	-	33	6	33	33	731.78338	-0.50	0.2223
2365:	35	7	35	35	-	34	6	34	34	732.26567	-0.50	0.7576
2366:	36	7	36	36	-	35	6	35	35	732.74317	-0.50	-0.3754
2367:	37	7	37	37	-	36	6	36	36	733.22003	-1.00	0.9783
2368:	38	7	38	38	-	37	6	37	37	733.69122	-0.50	-0.2064
2369:	39	7	39	39	-	38	6	38	38	734.16072	-0.50	0.0557
2370:	40	7	40	40	-	39	6	39	39	734.62582	-0.50	-0.9404
2371:	43	7	43	43	-	42	6	42	42	736.00547	-0.50	-0.6776
2372:	44	7	44	44	-	43	6	43	43	736.45918	-0.50	-0.4461
2373:	45	7	45	45	-	44	6	44	44	736.90932	-0.50	-0.6176
2374:	46	7	46	46	-	45	6	45	45	737.35721	-0.50	0.1331
2375:	52	7	52	52	-	51	6	51	51	739.97411	-0.50	1.0973
2376:	53	7	53	53	-	52	6	52	52	740.39725	-0.50	-0.5544
2377:	55	7	55	55	-	54	6	54	54	741.23756	-0.50	-0.1837
2378:	57	7	57	57	-	56	6	56	56	742.06430	-0.50	-0.4900
2379:	58	7	58	58	-	57	6	57	57	742.47345	-0.50	-0.0154

(29)Si(32)S

2380:	96	61	96	96	-	97	60	97	97	667.32363	-0.50	0.2695
2381:	90	61	90	90	-	91	60	91	91	672.37880	-0.50	-0.4895
2382:	89	61	89	89	-	90	60	90	90	673.21369	-0.50	0.3509
2383:	87	61	87	87	-	88	60	88	88	674.87512	-1.50	1.0949
2384:	86	61	86	86	-	87	60	87	87	675.70057	-0.50	-0.0831
2385:	85	61	85	85	-	86	60	86	86	676.52426	-0.50	-0.5388
2386:	84	61	84	84	-	85	60	85	85	677.34661	-0.50	0.1518
2387:	83	61	83	83	-	84	60	84	84	678.16590	-0.50	0.2731
2388:	82	61	82	82	-	83	60	83	83	678.98391	-1.50	1.6092
2389:	81	61	81	81	-	82	60	82	82	679.79658	-0.50	0.1043
2390:	80	61	80	80	-	81	60	81	81	680.60888	-0.50	0.7326
2391:	78	61	78	78	-	79	60	79	79	682.22443	-0.50	0.4657
2392:	77	61	77	77	-	78	60	78	78	683.02715	-1.00	-0.9510
2393:	76	61	76	76	-	77	60	77	77	683.82954	-0.50	-0.1776
2394:	74	61	74	74	-	75	60	75	75	685.42551	-0.50	0.1365

2395:	73	61	73	73	-	74	60	74	74	686.21902	-0.50	-0.3843
2396:	72	61	72	72	-	73	60	73	73	687.01127	-0.50	0.3720
2397:	71	61	71	71	-	72	60	72	72	687.79998	-0.50	0.1296
2398:	70	61	70	70	-	71	60	71	71	688.58653	-0.50	0.2729
2399:	69	61	69	69	-	70	60	70	70	689.37020	-0.50	0.0861
2400:	68	61	68	68	-	69	60	69	69	690.15107	-0.50	-0.3466
2401:	67	61	67	67	-	68	60	68	68	690.93022	-0.50	0.0592
2402:	66	61	66	66	-	67	60	67	67	691.70659	-0.50	0.2477
2403:	65	61	65	65	-	66	60	66	66	692.47811	-1.50	-1.8468
2404:	64	61	64	64	-	65	60	65	65	693.25100	-0.50	0.0001
2405:	63	61	63	63	-	64	60	64	64	694.01901	-0.50	-0.4574
2406:	62	61	62	62	-	63	60	63	63	694.78548	-0.50	0.1251
2407:	61	61	61	61	-	62	60	62	62	695.54941	-0.50	0.7517
2408:	60	61	60	60	-	61	60	61	61	696.31069	-1.50	1.3170
2409:	59	61	59	59	-	60	60	60	60	697.06558	-1.50	-1.9148
2410:	58	61	58	58	-	59	60	59	59	697.82311	-0.50	0.0905
2411:	56	61	56	56	-	57	60	57	57	699.32566	-0.50	-0.5998
2412:	55	61	55	55	-	56	60	56	56	700.07414	-0.50	0.1733
2413:	53	61	53	53	-	54	60	54	54	701.56098	-0.50	-0.5525
2414:	52	61	52	52	-	53	60	53	53	702.30036	-1.50	-1.0227
2415:	51	61	51	51	-	52	60	52	52	703.03849	-0.50	-0.1151
2416:	50	61	50	50	-	51	60	51	51	703.77325	-0.50	0.0544
2417:	49	61	49	49	-	50	60	50	50	704.50536	-0.50	0.2103
2418:	48	61	48	48	-	49	60	49	49	705.23453	-0.50	0.0671
2419:	47	61	47	47	-	48	60	48	48	705.96127	-0.50	0.1389
2420:	46	61	46	46	-	47	60	47	47	706.68538	-0.50	0.2304
2421:	45	61	45	45	-	46	60	46	46	707.40607	-0.50	-0.4443
2422:	44	61	44	44	-	45	60	45	45	708.12409	-1.50	-1.1306
2423:	43	61	43	43	-	44	60	44	44	708.84118	-0.50	-0.0841
2424:	42	61	42	42	-	43	60	43	43	709.55333	-1.50	-1.3105
2425:	41	61	41	41	-	42	60	42	42	710.26592	-0.50	0.5747
2426:	40	61	40	40	-	41	60	41	41	710.97332	-0.50	-0.0542
2427:	39	61	39	39	-	40	60	40	40	711.67929	-0.50	0.5673
2428:	38	61	38	38	-	39	60	39	39	712.38009	-1.50	-1.2963
2429:	37	61	37	37	-	38	60	38	38	713.08258	-1.50	1.2193
2430:	36	61	36	36	-	37	60	37	37	713.77964	-1.00	0.9986
2431:	35	61	35	35	-	36	60	36	36	714.47230	-1.00	-0.9240
2432:	34	61	34	34	-	35	60	35	35	715.16673	-2.00	1.6261
2433:	32	61	32	32	-	33	60	33	33	716.53890	-1.50	-1.8384
2434:	31	61	31	31	-	32	60	32	32	717.22676	-2.00	2.2760
2435:	28	61	28	28	-	29	60	29	29	719.25926	-0.50	-0.1204
2436:	27	61	27	27	-	28	60	28	28	719.93207	-0.50	-0.1475
2437:	26	61	26	26	-	27	60	27	27	720.60235	-0.50	0.0337
2438:	25	61	25	25	-	26	60	26	26	721.26984	-0.50	0.1676
2439:	24	61	24	24	-	25	60	25	25	721.93421	-0.50	-0.0712
2440:	23	61	23	23	-	24	60	24	24	722.59801	-1.50	1.8718
2441:	22	61	22	22	-	23	60	23	23	723.25666	-1.50	1.4210
2442:	21	61	21	21	-	22	60	22	22	723.91169	-0.50	0.1111
2443:	20	61	20	20	-	21	60	21	21	724.56517	-0.50	0.0164
2444:	19	61	19	19	-	20	60	20	20	725.21594	-0.50	-0.0186
2445:	18	61	18	18	-	19	60	19	19	725.86452	-0.50	0.5308
2446:	17	61	17	17	-	18	60	18	18	726.50919	-0.50	-0.0509
2447:	16	61	16	16	-	17	60	17	17	727.15071	-1.00	-0.9994
2448:	14	61	14	14	-	15	60	15	15	728.42815	-0.50	-0.1280
2449:	12	61	12	12	-	13	60	13	13	729.69365	-0.50	-0.0088
2450:	10	61	10	10	-	11	60	11	11	730.94736	-0.50	-0.4555
2451:	6	61	6	6	-	7	60	7	7	733.42182	-0.50	-0.4902
2452:	8	61	8	8	-	7	60	7	7	742.29544	-0.50	-0.0615
2453:	13	61	13	13	-	12	60	12	12	745.10824	-0.50	-0.6336
2454:	14	61	14	14	-	13	60	13	13	745.66315	-0.50	0.3609
2455:	16	61	16	16	-	15	60	15	15	746.76108	-0.50	-0.7440
2456:	17	61	17	17	-	16	60	16	16	747.30696	-0.50	0.0260
2457:	18	61	18	18	-	17	60	17	17	747.84977	-0.50	0.6706
2458:	20	61	20	20	-	19	60	19	19	748.92416	-0.50	-0.4180
2459:	22	61	22	22	-	21	60	21	21	749.98831	-0.50	0.0878
2460:	23	61	23	23	-	22	60	22	22	750.51479	-1.00	-0.8046
2461:	24	61	24	24	-	23	60	23	23	751.04029	-0.50	0.2957
2462:	25	61	25	25	-	24	60	24	24	751.56147	-0.50	0.0534
2463:	26	61	26	26	-	25	60	25	25	752.07933	-0.50	-0.5267
2464:	27	61	27	27	-	26	60	26	26	752.59488	-0.50	-0.4300
2465:	28	61	28	28	-	27	60	27	27	753.10761	-0.50	-0.1618

2466:	29	61	29	29	-	28	60	28	28	753.61739	-0.50	0.1528
2467:	30	61	30	30	-	29	60	29	29	754.12371	-0.50	0.0085
2468:	31	61	31	31	-	30	60	30	30	754.62756	-0.50	0.3999
2469:	33	61	33	33	-	32	60	32	32	755.62496	-0.50	-0.0809
2470:	34	61	34	34	-	33	60	33	33	756.11990	-0.50	0.4464
2471:	35	61	35	35	-	34	60	34	34	756.61104	-0.50	0.1985
2472:	36	61	36	36	-	35	60	35	35	757.10094	-1.50	1.7401
2473:	39	61	39	39	-	38	60	38	38	758.54613	-0.50	0.0799
2474:	40	61	40	40	-	39	60	39	39	759.02234	-0.50	0.0974
2475:	42	61	42	42	-	41	60	41	41	759.96623	-1.00	0.7676
2476:	43	61	43	43	-	42	60	42	42	760.43261	-0.50	0.1298
2477:	44	61	44	44	-	43	60	43	43	760.89606	-0.50	-0.3702
2478:	45	61	45	45	-	44	60	44	44	761.35735	-0.50	0.0424
2479:	46	61	46	46	-	45	60	45	45	761.81422	-0.50	-0.8875
2480:	48	61	48	48	-	47	60	47	47	762.72320	-2.00	1.7442
2481:	49	61	49	49	-	48	60	48	48	763.17113	-2.00	1.1355
2482:	50	61	50	50	-	49	60	49	49	763.61551	-0.50	0.0735
2483:	51	61	51	51	-	50	60	50	50	764.05761	-0.50	-0.1669
2484:	52	61	52	52	-	51	60	51	51	764.49686	-0.50	-0.1510
2485:	53	61	53	53	-	52	60	52	52	764.93326	-0.50	0.1262
2486:	57	61	57	57	-	56	60	56	56	766.64648	-0.50	0.0645
2487:	58	61	58	58	-	57	60	57	57	767.06551	-2.00	-1.3993
2488:	59	61	59	59	-	58	60	58	58	767.48463	-0.50	0.3674
2489:	60	61	60	60	-	59	60	59	59	767.89819	-0.50	-0.2807
2490:	61	61	61	61	-	60	60	60	60	768.30974	-0.50	0.2114
2491:	62	61	62	62	-	61	60	61	61	768.71746	-0.50	0.0286
2492:	63	61	63	63	-	62	60	62	62	769.12243	-0.50	0.2558
2493:	65	61	65	65	-	64	60	64	64	769.92091	-1.50	-1.2504
2494:	66	61	66	66	-	65	60	65	65	770.31780	-0.50	0.4061
2495:	68	61	68	68	-	67	60	67	67	771.09697	-1.50	-1.3472
2496:	70	61	70	70	-	69	60	69	69	771.86603	-0.50	-0.4527
2497:	72	61	72	72	-	71	60	71	71	772.62163	-0.50	-0.2209
2498:	73	61	73	73	-	72	60	72	72	772.99498	-0.50	0.2563
2499:	74	61	74	74	-	73	60	73	73	773.36483	-0.50	0.4478
2500:	75	61	75	75	-	74	60	74	74	773.73120	-0.50	0.3783
2501:	76	61	76	76	-	75	60	75	75	774.09465	-0.50	0.6130
2502:	89	62	89	89	-	90	61	90	90	668.40252	-1.50	0.5912
2503:	87	62	87	87	-	88	61	88	88	670.05692	-0.50	-0.0123
2504:	86	62	86	86	-	87	61	87	87	670.88090	-0.50	0.1816
2505:	85	62	85	85	-	86	61	86	86	671.70135	-0.50	-0.6717
2506:	84	62	84	84	-	85	61	85	85	672.52139	-1.50	0.5518
2507:	83	62	83	83	-	84	61	84	84	673.33891	-2.50	1.7464
2508:	82	62	82	82	-	83	61	83	83	674.15100	-0.50	0.0062
2509:	81	62	81	81	-	82	61	82	82	674.96158	-0.50	-0.7445
2510:	80	62	80	80	-	81	61	81	81	675.77160	-0.50	0.4485
2511:	79	62	79	79	-	80	61	80	80	676.57773	-0.50	0.2593
2512:	75	62	75	75	-	76	61	76	76	679.77754	-0.50	-0.0447
2513:	74	62	74	74	-	75	61	75	75	680.57034	-1.50	-0.9613
2514:	72	62	72	72	-	73	61	73	73	682.14920	-2.00	-1.9306
2515:	71	62	71	71	-	72	61	72	72	682.93809	-1.00	0.8552
2516:	69	62	69	69	-	70	61	70	70	684.50181	-0.50	0.0090
2517:	68	62	68	68	-	69	61	69	69	685.27995	-0.50	-0.3045
2518:	67	62	67	67	-	68	61	68	68	686.05659	-0.50	0.4408
2519:	66	62	66	66	-	67	61	67	67	686.82921	-0.50	-0.2708
2520:	65	62	65	65	-	66	61	66	66	687.60003	-0.50	-0.2151
2521:	64	62	64	64	-	65	61	65	65	688.36780	-0.50	-0.6377
2522:	63	62	63	63	-	64	61	64	64	689.13415	-0.50	0.0956
2523:	62	62	62	62	-	63	61	63	63	689.89612	-1.50	-0.9709
2524:	59	62	59	59	-	60	61	60	60	692.17068	-0.50	0.0043
2525:	58	62	58	58	-	59	61	59	59	692.92356	-0.50	0.2120
2526:	55	62	55	55	-	56	61	56	56	695.16569	-0.50	-0.0468
2527:	54	62	54	54	-	55	61	55	55	695.90819	-0.50	0.2142
2528:	53	62	53	53	-	54	61	54	54	696.64940	-2.00	1.8044
2529:	52	62	52	52	-	53	61	53	53	697.38555	-1.00	0.9582
2530:	51	62	51	51	-	52	61	52	52	698.11981	-0.50	0.8499
2531:	50	62	50	50	-	51	61	51	51	698.85077	-0.50	0.0738
2532:	49	62	49	49	-	50	61	50	50	699.57985	-0.50	0.0544
2533:	48	62	48	48	-	49	61	49	49	700.30616	-0.50	-0.0940
2534:	47	62	47	47	-	48	61	48	48	701.03016	-0.50	0.0930
2535:	45	62	45	45	-	46	61	46	46	702.47098	-1.50	1.2407
2536:	44	62	44	44	-	45	61	45	45	703.18704	-1.50	1.4503

2537:	43	62	43	43	-	44	61	44	44	703.89836	-0.50	-0.4172
2538:	42	62	42	42	-	43	61	43	43	704.60984	-0.50	0.5426
2539:	41	62	41	41	-	42	61	42	42	705.31725	-0.50	0.1043
2540:	40	62	40	40	-	41	61	41	41	706.02221	-0.50	-0.1079
2541:	39	62	39	39	-	40	61	40	40	706.72478	-0.50	-0.0294
2542:	38	62	38	38	-	39	61	39	39	707.42421	-0.50	-0.4059
2543:	36	62	36	36	-	37	61	37	37	708.81544	-1.00	-0.7160
2544:	35	62	35	35	-	36	61	36	36	709.50774	-0.50	-0.1408
2545:	34	62	34	34	-	35	61	35	35	710.19751	-0.50	0.6072
2546:	33	62	33	33	-	34	61	34	34	710.88279	-0.50	-0.4276
2547:	30	62	30	30	-	31	61	31	31	712.92545	-0.50	-0.4240
2548:	29	62	29	29	-	30	61	30	30	713.60161	-0.50	0.2947
2549:	28	62	28	28	-	29	61	29	29	714.27519	-1.50	1.1630
2550:	27	62	27	27	-	28	61	28	28	714.94191	-1.50	-2.0948
2551:	26	62	26	26	-	27	61	27	27	715.61203	-1.00	0.7860
2552:	23	62	23	23	-	24	61	24	24	717.59588	-0.50	-0.6058
2553:	22	62	22	22	-	23	61	23	23	718.25346	-1.00	0.7339
2554:	20	62	20	20	-	21	61	21	21	719.55765	-1.00	0.7306
2555:	19	62	19	19	-	20	61	20	20	720.20469	-0.50	-0.1732
2556:	16	62	16	16	-	17	61	17	17	722.13158	-0.50	-0.4497
2557:	15	62	15	15	-	16	61	16	16	722.76924	-0.50	0.3916
2558:	14	62	14	14	-	15	61	15	15	723.40274	-0.50	-0.1344
2559:	12	62	12	12	-	13	61	13	13	724.66239	-0.50	-0.1404
2560:	11	62	11	11	-	12	61	12	12	725.28882	-0.50	0.6687
2561:	10	62	10	10	-	11	61	11	11	725.91158	-0.50	0.6186
2562:	5	62	5	5	-	6	61	6	6	728.98306	-0.50	0.3705
2563:	10	62	10	10	-	9	61	9	9	738.33278	-0.50	0.2223
2564:	13	62	13	13	-	12	61	12	12	740.00308	-0.50	-0.1536
2565:	15	62	15	15	-	14	61	14	14	741.10332	-1.00	0.9257
2566:	17	62	17	17	-	16	61	16	16	742.18975	-0.50	-0.0630
2567:	18	62	18	18	-	17	61	17	17	742.72985	-1.00	0.7427
2568:	20	62	20	20	-	19	61	19	19	743.79793	-1.00	-0.9125
2569:	21	62	21	21	-	20	61	20	20	744.32953	-0.50	0.2560
2570:	22	62	22	22	-	21	61	21	21	744.85727	-0.50	0.5282
2571:	23	62	23	23	-	22	61	22	22	745.38082	-0.50	-0.4211
2572:	24	62	24	24	-	23	61	23	23	745.90329	-0.50	0.5226
2573:	29	62	29	29	-	28	61	28	28	748.46566	-0.50	0.0235
2574:	30	62	30	30	-	29	61	29	29	748.97043	-1.50	1.2053
2575:	31	62	31	31	-	30	61	30	30	749.46987	-0.50	0.0633
2576:	32	62	32	32	-	31	61	31	31	749.96679	-0.50	-0.5876
2577:	33	62	33	33	-	32	61	32	32	750.46233	-0.50	0.3972
2578:	34	62	34	34	-	33	61	33	33	750.95485	-1.50	1.3825
2579:	35	62	35	35	-	34	61	34	34	751.44235	-0.50	0.3732
2580:	36	62	36	36	-	35	61	35	35	751.92773	-0.50	0.2739
2581:	37	62	37	37	-	36	61	36	36	752.40970	-0.50	-0.2005
2582:	39	62	39	39	-	38	61	38	38	753.36667	-1.00	1.0043
2583:	40	62	40	40	-	39	61	39	39	753.83900	-0.50	0.0232
2584:	42	62	42	42	-	41	61	41	41	754.77637	-0.50	-0.0623
2585:	43	62	43	43	-	42	61	42	42	755.24071	-0.50	0.1430
2586:	44	62	44	44	-	43	61	43	43	755.70132	-0.50	-0.3132
2587:	49	62	49	49	-	48	61	48	48	757.96064	-0.50	-0.1292
2588:	51	62	51	51	-	50	61	50	50	758.84192	-1.00	-0.8555
2589:	53	62	53	53	-	52	61	52	52	759.71148	-1.50	-0.8734
2590:	54	62	54	54	-	53	61	53	53	760.14259	-0.50	0.1205
2591:	55	62	55	55	-	54	61	54	54	760.57072	-1.50	1.2561
2592:	56	62	56	56	-	55	61	55	55	760.99548	-1.50	2.1483
2593:	57	62	57	57	-	56	61	56	56	761.41370	-0.50	-0.3681
2594:	58	62	58	58	-	57	61	57	57	761.83171	-0.50	0.0419
2595:	59	62	59	59	-	58	61	58	58	762.24535	-1.50	-0.7769
2596:	60	62	60	60	-	59	61	59	59	762.65735	-0.50	-0.0895
2597:	61	62	61	61	-	60	61	60	60	763.06563	-0.50	0.0288
2598:	62	62	62	62	-	61	61	61	61	763.47144	-0.50	0.8331
2599:	63	62	63	63	-	62	61	62	62	763.87358	-1.00	1.1283
2600:	71	62	71	71	-	70	61	70	70	766.97202	-1.50	-0.8086
2601:	73	62	73	73	-	72	61	72	72	767.71551	-0.50	-0.4589
2602:	74	62	74	74	-	73	61	73	73	768.08374	-1.00	1.0214
2603:	67	63	67	67	-	68	62	68	68	681.18606	-2.00	-1.5931
2604:	66	63	66	66	-	67	62	67	67	681.95790	-0.50	-0.2405
2605:	65	63	65	65	-	66	62	66	66	682.72640	-0.50	0.3399
2606:	63	63	63	63	-	64	62	64	64	684.25338	-1.00	-0.7990
2607:	62	63	62	62	-	63	62	63	63	685.01434	-0.50	-0.0296

2608:	61	63	61	61	-	62	62	62	62	685.77164	-0.50	-0.3353
2609:	60	63	60	60	-	61	62	61	61	686.52703	-0.50	0.0383
2610:	59	63	59	59	-	60	62	60	60	687.27945	-0.50	0.0354
2611:	58	63	58	58	-	59	62	59	59	688.02877	-0.50	-0.4697
2612:	57	63	57	57	-	58	62	58	58	688.77805	-1.50	1.5875
2613:	56	63	56	56	-	57	62	57	57	689.52052	-0.50	-0.5588
2614:	53	63	53	53	-	54	62	54	54	691.73923	-0.50	-0.0152
2615:	51	63	51	51	-	52	62	52	52	693.20460	-0.50	-0.3105
2616:	50	63	50	50	-	51	62	51	51	693.93236	-2.00	-1.4365
2617:	48	63	48	48	-	49	62	49	49	695.38363	-0.50	-0.0231
2618:	47	63	47	47	-	48	62	48	48	696.10475	-0.50	0.1350
2619:	45	63	45	45	-	46	62	46	46	697.53785	-1.50	-0.7341
2620:	44	63	44	44	-	45	62	45	45	698.25189	-0.50	0.3075
2621:	43	63	43	43	-	44	62	44	44	698.96241	-0.50	0.4924
2622:	42	63	42	42	-	43	62	43	43	699.66798	-1.50	-1.6051
2623:	41	63	41	41	-	42	62	42	42	700.37433	-0.50	-0.2504
2624:	40	63	40	40	-	41	62	41	41	701.07674	-0.50	-0.1593
2625:	37	63	37	37	-	38	62	38	38	703.16879	-1.00	1.0373
2626:	35	63	35	35	-	36	62	36	36	704.54845	-0.50	0.2587
2627:	34	63	34	34	-	35	62	35	35	705.23453	-0.50	0.1717
2628:	33	63	33	33	-	34	62	34	34	705.91743	-0.50	-0.3877
2629:	32	63	32	32	-	33	62	33	33	706.59831	-0.50	-0.2551
2630:	31	63	31	31	-	32	62	32	32	707.27661	-0.50	0.0139
2631:	28	63	28	28	-	29	62	29	29	709.29446	-0.50	0.1142
2632:	27	63	27	27	-	28	62	28	28	709.96017	-1.50	-1.2964
2633:	24	63	24	24	-	25	62	25	25	711.94549	-1.00	-0.8875
2634:	23	63	23	23	-	24	62	24	24	712.60289	-0.50	0.3740
2635:	16	63	16	16	-	17	62	17	17	717.11804	-0.50	-0.0037
2636:	15	63	15	15	-	16	62	16	16	717.75207	-0.50	0.0683
2637:	18	63	18	18	-	17	62	17	17	737.61389	-0.50	-0.9061
2638:	19	63	19	19	-	18	62	18	18	738.14793	-0.50	-0.3373
2639:	20	63	20	20	-	19	62	19	19	738.67834	-0.50	-0.4437
2640:	23	63	23	23	-	22	62	22	22	740.25195	-0.50	-0.6073
2641:	26	63	26	26	-	25	62	25	25	741.79886	-0.50	-0.7082
2642:	27	63	27	27	-	26	62	26	26	742.31033	-1.50	1.0609
2643:	28	63	28	28	-	27	62	27	27	742.81723	-1.50	1.2525
2644:	29	63	29	29	-	28	62	28	28	743.31835	-1.50	-1.3386
2645:	30	63	30	30	-	29	62	29	29	743.82041	-1.50	0.0125
2646:	31	63	31	31	-	30	62	30	30	744.31666	-1.50	-1.4397
2647:	32	63	32	32	-	31	62	31	31	744.81295	-0.50	0.1598
2648:	33	63	33	33	-	32	62	32	32	745.30479	-0.50	0.3256
2649:	34	63	34	34	-	33	62	33	33	745.79284	-0.50	-0.2775
2650:	36	63	36	36	-	35	62	35	35	746.76108	-0.50	-0.2610
2651:	37	63	37	37	-	36	62	36	36	747.24096	-0.50	0.0581
2652:	38	63	38	38	-	37	62	37	37	747.71726	-0.50	-0.1626
2653:	39	63	39	39	-	38	62	38	38	748.19051	-0.50	-0.3882
2654:	40	63	40	40	-	39	62	39	39	748.66106	-0.50	-0.2639
2655:	41	63	41	41	-	40	62	40	40	749.12784	-1.00	-0.8548
2656:	43	63	43	43	-	42	62	42	42	750.05371	-0.50	-0.5435
2657:	45	63	45	45	-	44	62	44	44	750.96699	-0.50	-0.5455
2658:	47	63	47	47	-	46	62	46	46	751.86874	-0.50	0.2378
2659:	48	63	48	48	-	47	62	47	47	752.31365	-1.00	-0.7052
2660:	52	63	52	52	-	51	62	51	51	754.06642	-0.50	-0.3652
2661:	53	63	53	53	-	52	62	52	52	754.49717	-0.50	0.0471
2662:	54	63	54	54	-	53	62	53	53	754.92432	-0.50	-0.0228
2663:	55	63	55	55	-	54	62	54	54	755.34885	-0.50	0.4098
2664:	56	63	56	56	-	55	62	55	55	755.77093	-1.50	1.5199
2665:	57	63	57	57	-	56	62	56	56	756.18748	-0.50	0.2323
2666:	59	63	59	59	-	58	62	58	58	757.01521	-1.50	1.7038
2667:	63	63	63	63	-	62	62	62	62	758.62977	-1.50	1.5511
2668:	64	63	64	64	-	63	62	63	63	759.02234	-1.50	-1.6524

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2669:	72	101	72	72	-	73	100	73	73	681.53195	-0.50	0.3064
2670:	71	101	71	71	-	72	100	72	72	682.30559	-0.50	0.3279
2671:	70	101	70	70	-	71	100	71	71	683.07636	-0.50	-0.0388
2672:	69	101	69	69	-	70	100	70	70	683.84371	-1.00	-1.3394
2673:	67	101	67	67	-	68	100	68	68	685.37510	-0.50	0.2238
2674:	64	101	64	64	-	65	100	65	65	687.65144	-0.50	0.5723
2675:	63	101	63	63	-	64	100	64	64	688.40366	-0.50	-0.8553
2676:	62	101	62	62	-	63	100	63	63	689.15570	-0.50	0.0522

2677:	61	101	61	61	-	62	100	62	62	689.90439	-0.50	0.1288
2678:	57	101	57	57	-	58	100	58	58	692.87337	-0.50	-0.0690
2679:	56	101	56	56	-	57	100	57	57	693.60903	-0.50	-0.3637
2680:	55	101	55	55	-	56	100	56	56	694.34299	-0.50	0.1860
2681:	54	101	54	54	-	55	100	55	55	695.07335	-0.50	-0.3158
2682:	53	101	53	53	-	54	100	54	54	695.80046	-1.50	-1.5149
2683:	52	101	52	52	-	53	100	53	53	696.52768	-0.50	-0.0471
2684:	51	101	51	51	-	52	100	52	52	697.25132	-0.50	0.4019
2685:	50	101	50	50	-	51	100	51	51	697.97192	-0.50	0.3762
2686:	49	101	49	49	-	50	100	50	50	698.68940	-0.50	-0.1999
2687:	48	101	48	48	-	49	100	49	49	699.40464	-0.50	-0.4422
2688:	47	101	47	47	-	48	100	48	48	700.11835	-0.50	0.3636
2689:	44	101	44	44	-	45	100	45	45	702.24217	-1.50	0.9816
2690:	42	101	42	42	-	43	100	43	43	703.64390	-0.50	0.2116
2691:	40	101	40	40	-	41	100	41	41	705.03449	-1.50	-1.2842
2692:	39	101	39	39	-	40	100	40	40	705.72803	-0.50	0.1289
2693:	37	101	37	37	-	38	100	38	38	707.10531	-1.50	1.0085
2694:	35	101	35	35	-	36	100	36	36	708.47216	-2.50	1.9577
2695:	33	101	33	33	-	34	100	34	34	709.82597	-0.50	0.4009
2696:	32	101	32	32	-	33	100	33	33	710.49946	-0.50	0.1684
2697:	31	101	31	31	-	32	100	32	32	711.17148	-2.00	1.1124
2698:	30	101	30	30	-	31	100	31	31	711.83922	-0.50	0.4271
2699:	29	101	29	29	-	30	100	30	30	712.50660	-2.50	2.0368
2700:	28	101	28	28	-	29	100	29	29	713.16832	-0.50	0.6459
2701:	26	101	26	26	-	27	100	27	27	714.48668	-0.50	0.7793
2702:	25	101	25	25	-	26	100	26	26	715.13912	-2.50	-1.8877
2703:	23	101	23	23	-	24	100	24	24	716.44339	-0.50	0.2027
2704:	22	101	22	22	-	23	100	23	23	717.09003	-0.50	-0.2212
2705:	21	101	21	21	-	22	100	22	22	717.73447	-0.50	-0.1555
2706:	19	101	19	19	-	20	100	20	20	719.01379	-2.00	-1.4976
2707:	18	101	18	18	-	19	100	19	19	719.65161	-0.50	0.0434
2708:	16	101	16	16	-	17	100	17	17	720.91519	-1.50	-0.8090
2709:	15	101	15	15	-	16	100	16	16	721.54528	-1.50	1.1365
2710:	14	101	14	14	-	15	100	15	15	722.17000	-0.50	0.4322
2711:	13	101	13	13	-	14	100	14	14	722.79226	-0.50	-0.0075
2712:	12	101	12	12	-	13	100	13	13	723.41322	-0.50	0.9818
2713:	10	101	10	10	-	11	100	11	11	724.64464	-0.50	0.6652
2714:	8	101	8	8	-	9	100	9	9	725.86452	-0.50	-0.2226
2715:	7	101	7	7	-	8	100	8	8	726.47093	-0.50	-0.0722
2716:	9	101	9	9	-	8	100	8	8	736.35247	-0.50	0.2525
2717:	10	101	10	10	-	9	100	9	9	736.90932	-1.50	1.1198
2718:	11	101	11	11	-	10	100	10	10	737.46051	-1.00	-0.8373
2719:	12	101	12	12	-	11	100	11	11	738.01106	-1.50	-0.5943
2720:	13	101	13	13	-	12	100	12	12	738.55879	-0.50	-0.3268
2721:	15	101	15	15	-	14	100	14	14	739.64514	-0.50	-0.3501
2722:	17	101	17	17	-	16	100	16	16	740.72064	-0.50	0.2089
2723:	18	101	18	18	-	17	100	17	17	741.25304	-0.50	-0.5632
2724:	19	101	19	19	-	18	100	18	18	741.78350	-0.50	-0.4037
2725:	20	101	20	20	-	19	100	19	19	742.31033	-1.50	-0.9981
2726:	21	101	21	21	-	20	100	20	20	742.83562	-0.50	-0.2517
2727:	22	101	22	22	-	21	100	21	21	743.35804	-0.50	0.5098
2728:	25	101	25	25	-	24	100	24	24	744.90483	-0.50	-0.3188
2729:	26	101	26	26	-	25	100	25	25	745.41472	-0.50	-0.5010
2730:	27	101	27	27	-	26	100	26	26	745.92261	-0.50	0.2248
2731:	30	101	30	30	-	29	100	29	29	747.42455	-2.00	-1.8344
2732:	31	101	31	31	-	30	100	30	30	747.92179	-0.50	-0.0812
2733:	32	101	32	32	-	31	100	31	31	748.41446	-0.50	0.0329
2734:	34	101	34	34	-	33	100	33	33	749.39148	-1.00	0.7517
2735:	35	101	35	35	-	34	100	34	34	749.87485	-0.50	0.3857
2736:	36	101	36	36	-	35	100	35	35	750.35489	-0.50	-0.3612
2737:	37	101	37	37	-	36	100	36	36	750.83291	-0.50	-0.1743
2738:	38	101	38	38	-	37	100	37	37	751.30742	-0.50	-0.5391
2739:	39	101	39	39	-	38	100	38	38	751.77950	-0.50	-0.3709
2740:	40	101	40	40	-	39	100	39	39	752.24851	-0.50	-0.3051
2741:	41	101	41	41	-	40	100	40	40	752.71522	-0.50	0.4329
2742:	42	101	42	42	-	41	100	41	41	753.17811	-0.50	0.3278
2743:	45	101	45	45	-	44	100	44	44	754.55012	-1.50	1.2595
2744:	47	101	47	47	-	46	100	46	46	755.44571	-2.00	-2.2336
2745:	48	101	48	48	-	47	100	47	47	755.89285	-0.50	-0.1304
2746:	50	101	50	50	-	49	100	49	49	756.77420	-0.50	0.1785
2747:	51	101	51	51	-	50	100	50	50	757.21018	-0.50	0.1635

2748:	52	101	52	52	-	51	100	51	51	757.64348	-0.50	0.4919
2749:	54	101	54	54	-	53	100	53	53	758.49979	-0.50	-0.0527
2750:	56	101	56	56	-	55	100	55	55	759.34499	-0.50	0.4421
2751:	57	101	57	57	-	56	100	56	56	759.76270	-0.50	0.3673
2752:	58	101	58	58	-	57	100	57	57	760.17735	-0.50	0.2839
2753:	59	101	59	59	-	58	100	58	58	760.58856	-0.50	-0.1834
2754:	61	101	61	61	-	60	100	60	60	761.40346	-0.50	0.5493
2755:	63	101	63	63	-	62	100	62	62	762.20454	-0.50	-0.2569
2756:	65	101	65	65	-	64	100	64	64	762.99339	-1.00	-0.9742
2757:	66	101	66	66	-	65	100	65	65	763.38635	-1.50	1.8336
2758:	67	101	67	67	-	66	100	66	66	763.77085	-1.00	-0.7247
2759:	68	101	68	68	-	67	100	67	67	764.15465	-1.00	-0.8842
2760:	69	101	69	69	-	68	100	68	68	764.53681	-0.50	0.4196
2761:	72	101	72	72	-	71	100	71	71	765.66006	-0.50	-0.2304
2762:	74	101	74	74	-	73	100	73	73	766.39366	-0.50	-0.2925
2763:	85	102	85	85	-	86	101	86	86	666.51066	-1.50	0.8211
2764:	82	102	82	82	-	83	101	83	83	668.91159	-1.50	0.8201
2765:	77	102	77	77	-	78	101	78	78	672.86225	-1.50	-1.2722
2766:	74	102	74	74	-	75	101	75	75	675.20623	-1.00	0.5154
2767:	73	102	73	73	-	74	101	74	74	675.98059	-1.50	-0.9211
2768:	72	102	72	72	-	73	101	73	73	676.75441	-1.50	-0.4235
2769:	65	102	65	65	-	66	101	66	66	682.10020	-1.50	1.7272
2770:	63	102	63	63	-	64	101	64	64	683.60304	-0.50	0.3142
2771:	62	102	62	62	-	63	101	63	63	684.35096	-0.50	-0.1213
2772:	59	102	59	59	-	60	101	60	60	686.58054	-0.50	-0.4743
2773:	58	102	58	58	-	59	101	59	59	687.31861	-0.50	-0.6568
2774:	57	102	57	57	-	58	101	58	58	688.05510	-0.50	0.1168
2775:	56	102	56	56	-	57	101	57	57	688.78778	-0.50	-0.3792
2776:	55	102	55	55	-	56	101	56	56	689.52052	-1.00	1.7294
2777:	53	102	53	53	-	54	101	54	54	690.97430	-1.00	1.8971
2778:	52	102	52	52	-	53	101	53	53	691.69525	-0.50	-0.1254
2779:	49	102	49	49	-	50	101	50	50	693.84868	-0.50	-0.2277
2780:	48	102	48	48	-	49	101	49	49	694.56206	-0.50	0.4506
2781:	47	102	47	47	-	48	101	48	48	695.27131	-0.50	-0.4228
2782:	46	102	46	46	-	47	101	47	47	695.97933	-0.50	0.0564
2783:	45	102	45	45	-	46	101	46	46	696.68475	-0.50	0.5223
2784:	44	102	44	44	-	45	101	45	45	697.38555	-1.50	-1.0409
2785:	43	102	43	43	-	44	101	44	44	698.08700	-1.00	0.6412
2786:	42	102	42	42	-	43	101	43	43	698.78456	-1.00	1.0329
2787:	41	102	41	41	-	42	101	42	42	699.47827	-0.50	0.1782
2788:	40	102	40	40	-	41	101	41	41	700.16985	-0.50	-0.1984
2789:	39	102	39	39	-	40	101	40	40	700.85918	-0.50	-0.2127
2790:	38	102	38	38	-	39	101	39	39	701.54581	-0.50	-0.3105
2791:	36	102	36	36	-	37	101	37	37	702.91197	-0.50	0.2608
2792:	34	102	34	34	-	35	101	35	35	704.26675	-0.50	-0.0303
2793:	33	102	33	33	-	34	101	34	34	704.93927	-1.50	-1.0911
2794:	32	102	32	32	-	33	101	33	33	705.61145	-0.50	0.1505
2795:	31	102	31	31	-	32	101	32	32	706.27979	-1.50	0.1987
2796:	29	102	29	29	-	30	101	30	30	707.60984	-1.50	1.6220
2797:	27	102	27	27	-	28	101	28	28	708.92667	-0.50	0.4635
2798:	26	102	26	26	-	27	101	27	27	709.57963	-1.50	-1.5706
2799:	25	102	25	25	-	26	101	26	26	710.23408	-1.50	0.5578
2800:	24	102	24	24	-	25	101	25	25	710.88279	-0.50	-0.3770
2801:	16	102	16	16	-	17	101	17	17	715.98436	-1.00	0.9233
2802:	13	102	13	13	-	14	101	14	14	717.85055	-1.00	-0.7926
2803:	9	102	9	9	-	8	101	8	8	731.34724	-0.50	0.1283
2804:	10	102	10	10	-	9	101	9	9	731.89948	-0.50	-0.8207
2805:	12	102	12	12	-	11	101	11	11	732.99762	-0.50	-0.5467
2806:	16	102	16	16	-	15	101	15	15	735.15899	-0.50	-0.7342
2807:	17	102	17	17	-	16	101	16	16	735.69340	-0.50	0.4324
2808:	18	102	18	18	-	17	101	17	17	736.22322	-0.50	-0.1235
2809:	19	102	19	19	-	18	101	18	18	736.75095	-0.50	0.1026
2810:	20	102	20	20	-	19	101	19	19	737.27625	-1.00	0.7752
2811:	21	102	21	21	-	20	101	20	20	737.79807	-1.00	0.8488
2812:	22	102	22	22	-	21	101	21	21	738.31502	-1.50	-1.0620
2813:	23	102	23	23	-	22	101	22	22	738.83160	-0.50	-0.4526
2814:	24	102	24	24	-	23	101	23	23	739.34513	-0.50	0.0014
2815:	25	102	25	25	-	24	101	24	24	739.85502	-0.50	-0.2853
2816:	26	102	26	26	-	25	101	25	25	740.36297	-0.50	0.3919
2817:	27	102	27	27	-	26	101	26	26	740.86769	-0.50	0.7473
2818:	29	102	29	29	-	28	101	28	28	741.86733	-0.50	0.4017

2819:	30	102	30	30	-	29	101	29	29	742.36354	-1.00	0.9997
2820:	31	102	31	31	-	30	101	30	30	742.85428	-1.50	-0.9456
2821:	32	102	32	32	-	31	101	31	31	743.34671	-2.50	1.7304
2822:	33	102	33	33	-	32	101	32	32	743.83170	-0.50	-0.0978
2823:	34	102	34	34	-	33	101	33	33	744.31666	-1.00	0.9845
2824:	35	102	35	35	-	34	101	34	34	744.79546	-2.00	-1.1482
2825:	36	102	36	36	-	35	101	35	35	745.27438	-0.50	-0.2112
2826:	39	102	39	39	-	38	101	38	38	746.69095	-0.50	0.1538
2827:	40	102	40	40	-	39	101	39	39	747.15689	-0.50	-0.0444
2828:	41	102	41	41	-	40	101	40	40	747.62035	-0.50	0.2502
2829:	42	102	42	42	-	41	101	41	41	748.08056	-0.50	0.2721
2830:	43	102	43	43	-	42	101	42	42	748.53765	-0.50	0.1561
2831:	48	102	48	48	-	47	101	47	47	750.77860	-0.50	-0.0309
2832:	49	102	49	49	-	48	101	48	48	751.21825	-0.50	0.4029
2833:	50	102	50	50	-	49	101	49	49	751.65417	-0.50	0.1214
2834:	52	102	52	52	-	51	101	51	51	752.51763	-0.50	0.2410
2835:	53	102	53	53	-	52	101	52	52	752.94424	-0.50	-0.2785
2836:	54	102	54	54	-	53	101	53	53	753.36667	-1.50	-1.9446
2837:	55	102	55	55	-	54	101	54	54	753.78880	-1.00	-0.8726
2838:	56	102	56	56	-	55	101	55	55	754.20768	-0.50	-0.0079
2839:	58	102	58	58	-	57	101	57	57	755.03484	-0.50	0.2688
2840:	64	102	64	64	-	63	101	63	63	757.44208	-0.50	0.3762
2841:	65	102	65	65	-	64	101	64	64	757.83024	-2.00	-1.8816
2842:	67	102	67	67	-	66	101	66	66	758.60356	-0.50	-0.1221
2843:	70	102	70	70	-	69	101	69	69	759.73748	-0.50	-0.2838
2844:	74	102	74	74	-	73	101	73	73	761.20669	-1.50	0.4349
2845:	75	102	75	75	-	74	101	74	74	761.56438	-1.50	-1.1771
2846:	76	102	76	76	-	75	101	75	75	761.91951	-2.00	-2.2112
2847:	51	103	51	51	-	52	102	52	52	687.58667	-1.00	0.5610
2848:	48	103	48	48	-	49	102	49	49	689.72409	-0.50	0.4873
2849:	47	103	47	47	-	48	102	48	48	690.43111	-0.50	0.1609
2850:	46	103	46	46	-	47	102	47	47	691.13690	-1.00	1.1873
2851:	44	103	44	44	-	45	102	45	45	692.53728	-0.50	-0.1944
2852:	43	103	43	43	-	44	102	44	44	693.23524	-0.50	0.7759
2853:	41	103	41	41	-	42	102	42	42	694.62002	-1.00	-0.6198
2854:	40	103	40	40	-	41	102	41	41	695.31029	-0.50	0.4727
2855:	39	103	39	39	-	40	102	40	40	695.99777	-1.00	1.3878
2856:	37	103	37	37	-	38	102	38	38	697.36260	-1.00	0.9427
2857:	34	103	34	34	-	35	102	35	35	699.39013	-0.50	0.2614
2858:	33	103	33	33	-	34	102	34	34	700.06058	-0.50	-0.0883
2859:	32	103	32	32	-	33	102	33	33	700.72714	-1.50	-1.6853
2860:	29	103	29	29	-	30	102	30	30	702.71770	-0.50	0.3020
2861:	26	103	26	26	-	27	102	27	27	704.68188	-0.50	-0.1523
2862:	25	103	25	25	-	26	102	26	26	705.33261	-1.50	1.0394
2863:	24	103	24	24	-	25	102	25	25	705.97764	-1.00	-0.7918
2864:	22	103	22	22	-	23	102	23	23	707.26475	-1.00	0.6447
2865:	15	103	15	15	-	16	102	16	16	711.67929	-0.50	0.2965
2866:	12	103	12	12	-	13	102	13	13	713.53018	-0.50	-0.1847
2867:	9	103	9	9	-	10	102	10	10	715.35681	-0.50	-0.3206
2868:	11	103	11	11	-	10	102	10	10	727.44491	-0.50	-0.5977
2869:	18	103	18	18	-	17	102	17	17	731.19853	-0.50	-0.0896
2870:	19	103	19	19	-	18	102	18	18	731.72413	-1.00	0.8050
2871:	28	103	28	28	-	27	102	27	27	736.31612	-0.50	0.4565
2872:	34	103	34	34	-	33	102	33	33	739.24633	-0.50	0.2142
2873:	36	103	36	36	-	35	102	35	35	740.19993	-0.50	0.5128
2874:	37	103	37	37	-	36	102	36	36	740.67281	-1.50	1.1721
2875:	42	103	42	42	-	41	102	41	41	742.98819	-0.50	-0.0661
2876:	44	103	44	44	-	43	102	43	43	743.89566	-1.50	1.6030
2877:	50	103	50	50	-	49	102	49	49	746.53770	-1.50	-1.8015
2878:	52	103	52	52	-	51	102	51	51	747.39755	-0.50	0.3444
2879:	54	103	54	54	-	53	102	53	53	748.24350	-0.50	0.7083
2880:	55	103	55	55	-	54	102	54	54	748.66106	-0.50	0.0312
2881:	56	103	56	56	-	55	102	55	55	749.07638	-0.50	0.1578
2882:	60	103	60	60	-	59	102	59	59	750.70593	-0.50	-0.5352
2883:	61	103	61	61	-	60	102	60	60	751.10436	-1.50	-2.0096
2884:	66	103	66	66	-	65	102	65	65	753.05839	-1.50	-1.3260

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2885:	89	171	89	89	-	90	170	90	90	670.47812	-0.50	-0.1621
2886:	88	171	88	88	-	89	170	89	89	671.30220	-1.00	0.9777
2887:	85	171	85	85	-	86	170	86	86	673.75537	-0.50	-0.0070

2888:	84	171	84	84	-	85	170	85	85	674.56794	-0.50	-0.5864
2889:	78	171	78	78	-	79	170	79	79	679.39578	-0.50	0.1194
2890:	76	171	76	76	-	77	170	77	77	680.98509	-0.50	0.2028
2891:	75	171	75	75	-	76	170	76	76	681.77486	-0.50	-0.9059
2892:	74	171	74	74	-	75	170	75	75	682.56436	-0.50	0.2107
2893:	73	171	73	73	-	74	170	74	74	683.35063	-0.50	0.5967
2894:	72	171	72	72	-	73	170	73	73	684.13299	-0.50	-0.4237
2895:	71	171	71	71	-	72	170	72	72	684.91500	-1.00	0.7138
2896:	70	171	70	70	-	71	170	71	71	685.69338	-1.00	0.7333
2897:	69	171	69	69	-	70	170	70	70	686.46855	-0.50	0.0589
2898:	68	171	68	68	-	69	170	69	69	687.24228	-0.50	0.4650
2899:	67	171	67	67	-	68	170	68	68	688.01309	-0.50	0.4757
2900:	65	171	65	65	-	66	170	66	66	689.54595	-0.50	-0.6723
2901:	64	171	64	64	-	65	170	65	65	690.30999	-0.50	0.1674
2902:	62	171	62	62	-	63	170	63	63	691.82805	-0.50	-0.5444
2903:	61	171	61	61	-	62	170	62	62	692.58433	-0.50	0.1725
2904:	59	171	59	59	-	60	170	60	60	694.08784	-0.50	0.2230
2905:	58	171	58	58	-	59	170	59	59	694.83529	-0.50	-0.2148
2906:	57	171	57	57	-	58	170	58	58	695.58089	-0.50	0.0643
2907:	54	171	54	54	-	55	170	55	55	697.80103	-0.50	-0.3143
2908:	53	171	53	53	-	54	170	54	54	698.53595	-0.50	-0.4048
2909:	51	171	51	51	-	52	170	52	52	699.99880	-0.50	0.1932
2910:	50	171	50	50	-	51	170	51	51	700.72714	-1.50	1.3004
2911:	49	171	49	49	-	50	170	50	50	701.44928	-1.00	-1.1913
2912:	46	171	46	46	-	47	170	47	47	703.60846	-0.50	-0.2564
2913:	45	171	45	45	-	46	170	46	46	704.32388	-1.50	0.9796
2914:	44	171	44	44	-	45	170	45	45	705.03449	-0.50	0.0282
2915:	43	171	43	43	-	44	170	44	44	705.74307	-0.50	-0.3261
2916:	42	171	42	42	-	43	170	43	43	706.44908	-0.50	-0.6191
2917:	40	171	40	40	-	41	170	41	41	707.85485	-0.50	0.4563
2918:	39	171	39	39	-	40	170	40	40	708.55297	-0.50	0.1933
2919:	38	171	38	38	-	39	170	39	39	709.24841	-0.50	-0.1009
2920:	37	171	37	37	-	38	170	38	38	709.93957	-1.50	-2.0221
2921:	35	171	35	35	-	36	170	36	36	711.31949	-0.50	-0.2879
2922:	34	171	34	34	-	35	170	35	35	712.00447	-0.50	-0.4038
2923:	32	171	32	32	-	33	170	33	33	713.36716	-0.50	0.1103
2924:	31	171	31	31	-	32	170	32	32	714.04394	-0.50	-0.1810
2925:	30	171	30	30	-	31	170	31	31	714.72035	-1.50	1.8413
2926:	29	171	29	29	-	30	170	30	30	715.39023	-0.50	0.0217
2927:	28	171	28	28	-	29	170	29	29	716.05885	-0.50	-0.3655
2928:	27	171	27	27	-	28	170	28	28	716.72465	-0.50	-0.8760
2929:	26	171	26	26	-	27	170	27	27	717.39015	-1.50	1.0148
2930:	24	171	24	24	-	25	170	25	25	718.70773	-0.50	-0.5024
2931:	23	171	23	23	-	24	170	24	24	719.36362	-0.50	-0.0916
2932:	22	171	22	22	-	23	170	23	23	720.01655	-0.50	0.0781
2933:	20	171	20	20	-	21	170	21	21	721.31394	-0.50	0.1216
2934:	19	171	19	19	-	20	170	20	20	721.95872	-0.50	0.3244
2935:	17	171	17	17	-	18	170	18	18	723.23933	-0.50	-0.0060
2936:	16	171	16	16	-	17	170	17	17	723.87430	-1.50	-1.3903
2937:	15	171	15	15	-	16	170	16	16	724.50960	-0.50	0.3054
2938:	14	171	14	14	-	15	170	15	15	725.14036	-0.50	0.2154
2939:	12	171	12	12	-	13	170	13	13	726.39282	-1.00	-0.7438
2940:	11	171	11	11	-	12	170	12	12	727.01629	-0.50	0.1659
2941:	10	171	10	10	-	11	170	11	11	727.63612	-0.50	0.2079
2942:	9	171	9	9	-	10	170	10	10	728.25270	-0.50	-0.2235
2943:	8	171	8	8	-	9	170	9	9	728.86785	-0.50	0.6962
2944:	7	171	7	7	-	8	170	8	8	729.47873	-0.50	0.1316
2945:	4	171	4	4	-	5	170	5	5	731.29705	-1.00	0.8764
2946:	5	171	5	5	-	4	170	4	4	737.17245	-0.50	0.6108
2947:	10	171	10	10	-	9	170	9	9	740.00308	-0.50	-0.0440
2948:	14	171	14	14	-	13	170	13	13	742.21679	-0.50	0.2998
2949:	15	171	15	15	-	14	170	14	14	742.76269	-0.50	0.0715
2950:	17	171	17	17	-	16	170	16	16	743.84625	-0.50	0.0631
2951:	18	171	18	18	-	17	170	17	17	744.38434	-0.50	0.7221
2952:	19	171	19	19	-	18	170	18	18	744.91891	-0.50	0.7693
2953:	20	171	20	20	-	19	170	19	19	745.45018	-0.50	0.4294
2954:	21	171	21	21	-	20	170	20	20	745.97818	-0.50	-0.2629
2955:	22	171	22	22	-	21	170	21	21	746.50344	-1.00	-0.7732
2956:	23	171	23	23	-	22	170	22	22	747.02800	-1.00	0.9432
2957:	24	171	24	24	-	23	170	23	23	747.54689	-0.50	-0.0791
2958:	25	171	25	25	-	24	170	24	24	748.06358	-0.50	-0.3654

2959:	26	171	26	26	-	25	170	25	25	748.57721	-1.00	-0.7712
2960:	27	171	27	27	-	26	170	26	26	749.08903	-0.50	-0.0417
2961:	28	171	28	28	-	27	170	27	27	749.59591	-1.50	-1.3023
2962:	29	171	29	29	-	28	170	28	28	750.10268	-0.50	0.2815
2963:	30	171	30	30	-	29	170	29	29	750.60428	-0.50	-0.3455
2964:	31	171	31	31	-	30	170	30	30	751.10436	-0.50	0.4712
2965:	32	171	32	32	-	31	170	31	31	751.60039	-0.50	0.2064
2966:	33	171	33	33	-	32	170	32	32	752.09321	-0.50	-0.2952
2967:	34	171	34	34	-	33	170	33	33	752.58340	-0.50	-0.4491
2968:	35	171	35	35	-	34	170	34	34	753.07174	-0.50	0.5294
2969:	36	171	36	36	-	35	170	35	35	753.55564	-0.50	0.0551
2970:	37	171	37	37	-	36	170	36	36	754.03725	-0.50	0.2826
2971:	38	171	38	38	-	37	170	37	37	754.51522	-0.50	-0.1335
2972:	40	171	40	40	-	39	170	39	39	755.46344	-0.50	0.3227
2973:	41	171	41	41	-	40	170	40	40	755.93269	-0.50	0.2042
2974:	42	171	42	42	-	41	170	41	41	756.39907	-0.50	0.2310
2975:	43	171	43	43	-	42	170	42	42	756.86211	-0.50	-0.0622
2976:	44	171	44	44	-	43	170	43	43	757.32212	-0.50	-0.3607
2977:	45	171	45	45	-	44	170	44	44	757.77924	-0.50	-0.5199
2978:	46	171	46	46	-	45	170	45	45	758.23310	-0.50	-0.9049
2979:	47	171	47	47	-	46	170	46	46	758.68536	-0.50	0.1489
2980:	48	171	48	48	-	47	170	47	47	759.13343	-0.50	0.0563
2981:	49	171	49	49	-	48	170	48	48	759.57844	-0.50	-0.0480
2982:	50	171	50	50	-	49	170	49	49	760.02056	-0.50	0.0108
2983:	52	171	52	52	-	51	170	51	51	760.89606	-0.50	0.5664
2984:	53	171	53	53	-	52	170	52	52	761.32909	-1.00	0.7228
2985:	55	171	55	55	-	54	170	54	54	762.18491	-0.50	0.0165
2986:	56	171	56	56	-	55	170	55	55	762.60930	-1.00	0.7634
2987:	57	171	57	57	-	56	170	56	56	763.02935	-0.50	0.2566
2988:	58	171	58	58	-	57	170	57	57	763.44697	-0.50	0.4110
2989:	59	171	59	59	-	58	170	58	58	763.86045	-0.50	-0.4787
2990:	62	171	62	62	-	61	170	61	61	765.08574	-0.50	0.3257
2991:	63	171	63	63	-	62	170	62	62	765.48722	-0.50	-0.1323
2992:	64	171	64	64	-	63	170	63	63	765.88612	-0.50	-0.0505
2993:	65	171	65	65	-	64	170	64	64	766.28147	-0.50	-0.3938
2994:	66	171	66	66	-	65	170	65	65	766.67469	-0.50	0.2624
2995:	67	171	67	67	-	66	170	66	66	767.06551	-2.00	1.6529
2996:	69	171	69	69	-	68	170	68	68	767.83348	-0.50	0.1866
2997:	70	171	70	70	-	69	170	69	69	768.21568	-2.00	2.3894
2998:	71	171	71	71	-	70	170	70	70	768.59021	-0.50	0.0758
2999:	73	171	73	73	-	72	170	72	72	769.33461	-0.50	0.2695
3000:	76	171	76	76	-	75	170	75	75	770.42749	-0.50	0.6145
3001:	77	171	77	77	-	76	170	76	76	770.78530	-0.50	0.6055
3002:	79	171	79	79	-	78	170	78	78	771.48926	-1.50	-1.5040
3003:	80	171	80	80	-	79	170	79	79	771.84062	-1.50	1.6152
3004:	82	171	82	82	-	81	170	81	81	772.52507	-1.50	-0.8040
3005:	83	171	83	83	-	82	170	82	82	772.86487	-0.50	0.3774
3006:	87	172	87	87	-	88	171	88	88	667.34825	-1.50	0.5233
3007:	85	172	85	85	-	86	171	86	86	668.97478	-1.50	-0.9963
3008:	83	172	83	83	-	84	171	84	84	670.59306	-1.50	-0.9486
3009:	82	172	82	82	-	83	171	83	83	671.40072	-1.50	1.2870
3010:	81	172	81	81	-	82	171	82	82	672.20208	-1.50	-0.3108
3011:	80	172	80	80	-	81	171	81	81	673.00396	-1.00	1.0822
3012:	79	172	79	79	-	80	171	80	80	673.80168	-0.50	0.7901
3013:	78	172	78	78	-	79	171	79	79	674.59614	-0.50	-0.2829
3014:	76	172	76	76	-	77	171	77	77	676.17862	-1.50	-1.4153
3015:	75	172	75	75	-	76	171	76	76	676.96655	-1.50	-1.5564
3016:	74	172	74	74	-	75	171	75	75	677.75403	-0.50	0.3483
3017:	70	172	70	70	-	71	171	71	71	680.87062	-0.50	-0.3233
3018:	69	172	69	69	-	70	171	70	70	681.64295	-1.00	-1.0279
3019:	67	172	67	67	-	68	171	68	68	683.18208	-0.50	-0.4005
3020:	65	172	65	65	-	66	171	66	66	684.70989	-1.50	-0.9766
3021:	63	172	63	63	-	64	171	64	64	686.22877	-0.50	-0.3325
3022:	62	172	62	62	-	63	171	63	63	686.98446	-0.50	0.0565
3023:	61	172	61	61	-	62	171	62	62	687.73702	-0.50	-0.1343
3024:	59	172	59	59	-	60	171	60	60	689.23463	-0.50	-0.3583
3025:	58	172	58	58	-	59	171	59	59	689.98030	-0.50	0.2370
3026:	57	172	57	57	-	58	171	58	58	690.72182	-1.00	-0.7505
3027:	56	172	56	56	-	57	171	57	57	691.46239	-0.50	-0.1165
3028:	55	172	55	55	-	56	171	56	56	692.20016	-1.50	0.2932
3029:	54	172	54	54	-	55	171	55	55	692.93497	-0.50	0.3229

3030:	52	172	52	52	-	53	171	53	53	694.39624	-0.50	-0.2107
3031:	51	172	51	51	-	52	171	52	52	695.12354	-0.50	0.0746
3032:	50	172	50	50	-	51	171	51	51	695.84900	-1.00	1.1170
3033:	48	172	48	48	-	49	171	49	49	697.28914	-0.50	0.2302
3034:	46	172	46	46	-	47	171	47	47	698.71883	-1.00	-0.6666
3035:	45	172	45	45	-	46	171	46	46	699.43080	-0.50	-0.0642
3036:	44	172	44	44	-	45	171	45	45	700.13972	-0.50	0.1110
3037:	43	172	43	43	-	44	171	44	44	700.84560	-0.50	-0.1265
3038:	40	172	40	40	-	41	171	41	41	702.94630	-2.00	-1.9723
3039:	39	172	39	39	-	40	171	40	40	703.64390	-0.50	0.0625
3040:	38	172	38	38	-	39	171	39	39	704.33863	-2.00	1.8761
3041:	37	172	37	37	-	38	171	38	38	705.02605	-2.00	-0.9669
3042:	36	172	36	36	-	37	171	37	37	705.71383	-1.00	-0.7924
3043:	35	172	35	35	-	36	171	36	36	706.39817	-2.00	-1.3959
3044:	34	172	34	34	-	35	171	35	35	707.08000	-2.00	-1.8431
3045:	33	172	33	33	-	34	171	34	34	707.76147	-0.50	0.0204
3046:	32	172	32	32	-	33	171	33	33	708.43753	-1.00	-0.8510
3047:	31	172	31	31	-	32	171	32	32	709.11259	-0.50	-0.0429
3048:	30	172	30	30	-	31	171	31	31	709.78424	-0.50	0.0390
3049:	29	172	29	29	-	30	171	30	30	710.45320	-0.50	0.1191
3050:	28	172	28	28	-	29	171	29	29	711.12021	-1.00	0.9418
3051:	27	172	27	27	-	28	171	28	28	711.78484	-2.50	2.0815
3052:	25	172	25	25	-	26	171	26	26	713.09969	-2.50	-1.9405
3053:	24	172	24	24	-	25	171	25	25	713.75563	-2.00	-1.3734
3054:	23	172	23	23	-	24	171	24	24	714.41022	-0.50	0.5583
3055:	22	172	22	22	-	23	171	23	23	715.06030	-1.00	0.6991
3056:	21	172	21	21	-	22	171	22	22	715.70743	-1.00	0.6133
3057:	17	172	17	17	-	18	171	18	18	718.26857	-0.50	0.2136
3058:	16	172	16	16	-	17	171	17	17	718.90363	-2.00	1.7417
3059:	15	172	15	15	-	16	171	16	16	719.53120	-2.00	-1.4702
3060:	14	172	14	14	-	15	171	15	15	720.16039	-0.50	-0.3075
3061:	13	172	13	13	-	14	171	14	14	720.78664	-1.00	0.6742
3062:	12	172	12	12	-	13	171	13	13	721.40819	-0.50	-0.2806
3063:	10	172	10	10	-	11	171	11	11	722.64539	-0.50	0.2181
3064:	10	172	10	10	-	9	171	9	9	734.95419	-2.50	1.1572
3065:	13	172	13	13	-	12	171	12	12	736.60924	-1.50	0.3479
3066:	14	172	14	14	-	13	171	13	13	737.15541	-0.50	0.3299
3067:	17	172	17	17	-	16	171	16	16	738.77555	-0.50	-0.7341
3068:	18	172	18	18	-	17	171	17	17	739.31041	-0.50	-0.4735
3069:	19	172	19	19	-	18	171	18	18	739.84234	-0.50	-0.2343
3070:	20	172	20	20	-	19	171	19	19	740.37128	-0.50	-0.0718
3071:	22	172	22	22	-	21	171	21	21	741.41933	-1.00	-0.8188
3072:	23	172	23	23	-	22	171	22	22	741.94034	-0.50	0.1811
3073:	24	172	24	24	-	23	171	23	23	742.45734	-0.50	0.1027
3074:	25	172	25	25	-	24	171	24	24	742.97077	-0.50	-0.6093
3075:	26	172	26	26	-	25	171	25	25	743.48448	-2.50	1.8997
3076:	28	172	28	28	-	27	171	27	27	744.49840	-2.50	2.2592
3077:	30	172	30	30	-	29	171	29	29	745.49855	-0.50	0.6685
3078:	31	172	31	31	-	30	171	30	30	745.99416	-0.50	-0.1478
3079:	32	172	32	32	-	31	171	31	31	746.48844	-0.50	0.6748
3080:	33	172	33	33	-	32	171	32	32	746.97741	-0.50	-0.8389
3081:	36	172	36	36	-	35	171	35	35	748.43147	-0.50	-0.3419
3082:	39	172	39	39	-	38	171	38	38	749.85795	-0.50	-0.4940
3083:	41	172	41	41	-	40	171	40	40	750.79455	-0.50	0.0423
3084:	43	172	43	43	-	42	171	42	42	751.71922	-0.50	0.7119
3085:	44	172	44	44	-	43	171	43	43	752.17596	-0.50	-0.0127
3086:	45	172	45	45	-	44	171	44	44	752.62929	-1.50	-1.1173
3087:	46	172	46	46	-	45	171	45	45	753.08145	-0.50	-0.3572
3088:	47	172	47	47	-	46	171	46	46	753.53000	-0.50	-0.1676
3089:	48	172	48	48	-	47	171	47	47	753.97571	-0.50	0.2262
3090:	49	172	49	49	-	48	171	48	48	754.41729	-1.00	-0.4610
3091:	50	172	50	50	-	49	171	49	49	754.85475	-2.50	-2.2144
3092:	51	172	51	51	-	50	171	50	50	755.29345	-0.50	0.3306
3093:	52	172	52	52	-	51	171	51	51	755.72658	-0.50	0.3689
3094:	54	172	54	54	-	53	171	53	53	756.58333	-0.50	0.1442
3095:	56	172	56	56	-	55	171	55	55	757.42692	-1.00	-0.9301
3096:	57	172	57	57	-	56	171	56	56	757.84534	-0.50	-0.2140
3097:	58	172	58	58	-	57	171	57	57	758.26041	-0.50	0.2440
3098:	59	172	59	59	-	58	171	58	58	758.67080	-1.00	-0.8812
3099:	60	172	60	60	-	59	171	59	59	759.08021	-0.50	0.1151
3100:	62	172	62	62	-	61	171	61	61	759.88748	-0.50	-0.1184

3101:	65	172	65	65	-	64	171	64	64	761.07589	-0.50	0.4183
3102:	66	172	66	66	-	65	171	65	65	761.46578	-1.00	0.6050
3103:	67	172	67	67	-	66	171	66	66	761.85170	-0.50	-0.0429
3104:	68	172	68	68	-	67	171	67	67	762.23487	-0.50	-0.3007
3105:	78	173	78	78	-	79	172	79	79	669.80446	-2.00	1.8974
3106:	77	173	77	77	-	78	172	78	78	670.59306	-0.50	0.2481
3107:	73	173	73	73	-	74	172	74	74	673.73043	-2.00	1.5404
3108:	72	173	72	72	-	73	172	73	73	674.50781	-2.00	1.1517
3109:	71	173	71	71	-	72	172	72	72	675.28106	-2.00	-0.8585
3110:	69	173	69	69	-	70	172	70	70	676.82469	-2.00	-0.2063
3111:	60	173	60	60	-	61	172	61	61	683.64368	-0.50	0.6656
3112:	59	173	59	59	-	60	172	60	60	684.38867	-0.50	0.8259
3113:	58	173	58	58	-	59	172	59	59	685.13016	-0.50	0.0495
3114:	54	173	54	54	-	55	172	55	55	688.07414	-0.50	0.6822
3115:	53	173	53	53	-	54	172	54	54	688.80203	-2.00	-0.8138
3116:	52	173	52	52	-	53	172	53	53	689.53123	-2.00	1.5890
3117:	51	173	51	51	-	52	172	52	52	690.25259	-2.00	-1.2550
3118:	50	173	50	50	-	51	172	51	51	690.97430	-2.00	-1.1515
3119:	49	173	49	49	-	50	172	50	50	691.69525	-0.50	0.7936
3120:	46	173	46	46	-	47	172	47	47	693.83682	-0.50	1.0023
3121:	45	173	45	45	-	46	172	46	46	694.54434	-0.50	-0.0328
3122:	44	173	44	44	-	45	172	45	45	695.25051	-0.50	0.2054
3123:	43	173	43	43	-	44	172	44	44	695.95369	-0.50	0.0812
3124:	41	173	41	41	-	42	172	42	42	697.35121	-2.00	-1.1074
3125:	39	173	39	39	-	40	172	40	40	698.74085	-0.50	0.3861
3126:	38	173	38	38	-	39	172	39	39	699.43080	-0.50	0.2345
3127:	37	173	37	37	-	38	172	38	38	700.11835	-0.50	0.3364
3128:	35	173	35	35	-	36	172	36	36	701.48586	-1.50	0.9283
3129:	33	173	33	33	-	34	172	34	34	702.84077	-0.50	-0.4132
3130:	32	173	32	32	-	33	172	33	33	703.51603	-1.00	0.7318
3131:	30	173	30	30	-	31	172	31	31	704.85477	-0.50	-0.7144
3132:	29	173	29	29	-	30	172	30	30	705.52168	-0.50	0.1330
3133:	27	173	27	27	-	28	172	28	28	706.84563	-0.50	0.0409
3134:	26	173	26	26	-	27	172	27	27	707.50416	-1.00	0.6001
3135:	25	173	25	25	-	26	172	26	26	708.15862	-0.50	-0.2045
3136:	22	173	22	22	-	23	172	23	23	710.10788	-0.50	-0.4578
3137:	19	173	19	19	-	20	172	20	20	712.03252	-0.50	-0.8172
3138:	12	173	12	12	-	13	172	13	13	716.42879	-1.00	-0.2083
3139:	10	173	10	10	-	9	172	9	9	729.90814	-0.50	-0.4187
3140:	16	173	16	16	-	15	172	15	15	733.17839	-1.00	1.0728
3141:	23	173	23	23	-	22	172	22	22	736.85894	-0.50	0.0858
3142:	26	173	26	26	-	25	172	25	25	738.39295	-1.50	0.1850
3143:	28	173	28	28	-	27	172	27	27	739.39995	-0.50	-0.6991
3144:	29	173	29	29	-	28	172	28	28	739.89991	-0.50	-0.2503
3145:	30	173	30	30	-	29	172	29	29	740.39725	-0.50	0.5387
3146:	32	173	32	32	-	31	172	31	31	741.37840	-2.00	-2.5142
3147:	33	173	33	33	-	32	172	32	32	741.86733	-2.00	-1.2267
3148:	34	173	34	34	-	33	172	33	33	742.35174	-2.00	-1.4804
3149:	35	173	35	35	-	34	172	34	34	742.83562	-0.50	0.7195
3150:	37	173	37	37	-	36	172	36	36	743.78882	-1.00	-0.4713
3151:	40	173	40	40	-	39	172	39	39	745.19838	-1.00	-0.0033
3152:	41	173	41	41	-	40	172	40	40	745.66315	-0.50	1.0866
3153:	46	173	46	46	-	45	172	45	45	747.93445	-2.00	-0.6711
3154:	49	173	49	49	-	48	172	48	48	749.26454	-2.00	2.0290
3155:	50	173	50	50	-	49	172	49	49	749.69822	-1.00	-0.6517