

1	C:\Users\DV\PycharmProjects\AI\venv\Scripts\python.exe C:/ Users/DV/PycharmProjects/AI/8queens.py		
2	Initial population		
3	[8, 4, 2, 7, 6, 3, 1, 5]	25.0	0.0021675047685104907
4	[2, 8, 1, 4, 7, 6, 5, 3]	23.0	0.0019941043870296514
5	[3, 8, 7, 2, 6, 4, 1, 5]	24.0	0.0020808045777700713
6	[3, 4, 5, 8, 1, 2, 6, 7]	21.0	0.0018207040055488123
7	[5, 8, 2, 7, 6, 4, 3, 1]	24.0	0.0020808045777700713
8	[6, 3, 5, 2, 7, 4, 8, 1]	25.0	0.0021675047685104907
9	[2, 4, 6, 7, 5, 3, 8, 1]	23.0	0.0019941043870296514
10	[7, 2, 6, 4, 5, 8, 3, 1]	22.0	0.0019074041962892317
11	[1, 3, 5, 8, 4, 6, 2, 7]	24.0	0.0020808045777700713
12	[5, 1, 4, 6, 3, 2, 8, 7]	24.0	0.0020808045777700713
13	[4, 1, 3, 7, 5, 8, 2, 6]	25.0	0.0021675047685104907
14	[6, 5, 7, 8, 1, 2, 4, 3]	24.0	0.0020808045777700713
15	[3, 4, 8, 6, 2, 1, 5, 7]	24.0	0.0020808045777700713
16	[5, 4, 3, 6, 7, 2, 1, 8]	20.0	0.0017340038148083927
17	[6, 8, 3, 5, 7, 2, 4, 1]	27.0	0.00234090514999133
18	[5, 1, 6, 2, 7, 8, 4, 3]	25.0	0.0021675047685104907
19	[5, 1, 7, 6, 4, 8, 2, 3]	22.0	0.0019074041962892317
20	[3, 7, 1, 8, 6, 5, 2, 4]	24.0	0.0020808045777700713
21	[2, 7, 6, 5, 4, 8, 1, 3]	21.0	0.0018207040055488123
22	[8, 7, 6, 2, 1, 3, 4, 5]	18.0	0.0015606034333275533
23	[8, 2, 1, 5, 7, 6, 3, 4]	21.0	0.0018207040055488123
24	[8, 2, 7, 1, 5, 3, 6, 4]	24.0	0.0020808045777700713
25	[5, 7, 8, 6, 1, 4, 3, 2]	19.0	0.001647303624067973
26	[6, 5, 8, 1, 2, 4, 3, 7]	22.0	0.0019074041962892317
27	[3, 1, 8, 7, 2, 4, 5, 6]	24.0	0.0020808045777700713
28	[5, 1, 7, 2, 8, 4, 6, 3]	22.0	0.0019074041962892317
29	[4, 2, 6, 5, 3, 8, 1, 7]	25.0	0.0021675047685104907
30	[2, 8, 3, 5, 7, 1, 6, 4]	26.0	0.00225420495925091
31	[4, 3, 1, 7, 5, 6, 8, 2]	23.0	0.0019941043870296514
32	[1, 5, 2, 3, 4, 8, 6, 7]	17.0	0.0014739032425871337
33	[3, 5, 1, 6, 8, 7, 2, 4]	24.0	0.0020808045777700713
34	[8, 2, 4, 7, 6, 3, 1, 5]	24.0	0.0020808045777700713
35	[4, 5, 6, 2, 8, 1, 3, 7]	21.0	0.0018207040055488123
36	[1, 6, 4, 5, 7, 8, 3, 2]	25.0	0.0021675047685104907
37	[8, 6, 7, 4, 2, 5, 1, 3]	23.0	0.0019941043870296514
38	[7, 3, 1, 5, 2, 4, 6, 8]	26.0	0.00225420495925091
39	[8, 4, 6, 2, 1, 5, 7, 3]	23.0	0.0019941043870296514
40	[5, 3, 6, 4, 1, 7, 8, 2]	24.0	0.0020808045777700713
41	[4, 2, 7, 8, 5, 1, 3, 6]	23.0	0.0019941043870296514
42	[6, 4, 3, 1, 8, 5, 2, 7]	26.0	0.00225420495925091
43	[2, 7, 8, 4, 1, 6, 5, 3]	24.0	0.0020808045777700713
44	[3, 2, 1, 5, 8, 7, 6, 4]	21.0	0.0018207040055488123

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45	[4, 7, 5, 2, 6, 8, 3, 1]	26.0	0.00225420495925091
46	[6, 7, 2, 5, 4, 1, 3, 8]	22.0	0.0019074041962892317
47	[3, 5, 4, 7, 6, 2, 8, 1]	22.0	0.0019074041962892317
48	[3, 1, 4, 5, 6, 2, 7, 8]	24.0	0.0020808045777700713
49	[5, 1, 4, 6, 7, 2, 3, 8]	25.0	0.0021675047685104907
50	[7, 1, 8, 3, 6, 2, 4, 5]	22.0	0.0019074041962892317
51	[1, 4, 8, 5, 6, 3, 2, 7]	23.0	0.0019941043870296514
52	[7, 3, 8, 5, 4, 2, 1, 6]	23.0	0.0019941043870296514
53	[8, 1, 6, 5, 2, 7, 3, 4]	23.0	0.0019941043870296514
54	[2, 1, 8, 4, 6, 7, 3, 5]	22.0	0.0019074041962892317
55	[7, 6, 5, 4, 1, 2, 8, 3]	17.0	0.0014739032425871337
56	[7, 6, 3, 4, 5, 2, 1, 8]	12.0	0.0010404022888850356
57	[2, 7, 8, 5, 1, 3, 6, 4]	22.0	0.0019074041962892317
58	[5, 4, 7, 6, 1, 3, 2, 8]	21.0	0.0018207040055488123
59	[3, 8, 5, 7, 2, 1, 6, 4]	26.0	0.00225420495925091
60	[1, 6, 8, 2, 5, 4, 7, 3]	22.0	0.0019074041962892317
61	[6, 4, 2, 3, 1, 8, 5, 7]	22.0	0.0019074041962892317
62	[2, 1, 8, 3, 7, 4, 6, 5]	23.0	0.0019941043870296514
63	[3, 2, 6, 5, 7, 8, 4, 1]	21.0	0.0018207040055488123
64	[3, 6, 4, 1, 2, 7, 8, 5]	20.0	0.0017340038148083927
65	[7, 2, 8, 1, 4, 6, 5, 3]	25.0	0.0021675047685104907
66	[6, 3, 1, 4, 2, 8, 5, 7]	26.0	0.00225420495925091
67	[3, 4, 5, 1, 6, 7, 8, 2]	22.0	0.0019074041962892317
68	[6, 2, 1, 8, 4, 7, 5, 3]	25.0	0.0021675047685104907
69	[6, 2, 1, 8, 5, 4, 7, 3]	22.0	0.0019074041962892317
70	[6, 1, 8, 7, 3, 2, 5, 4]	22.0	0.0019074041962892317
71	[7, 8, 2, 5, 1, 6, 4, 3]	26.0	0.00225420495925091
72	[3, 1, 2, 7, 8, 4, 6, 5]	21.0	0.0018207040055488123
73	[3, 6, 5, 4, 2, 1, 8, 7]	22.0	0.0019074041962892317
74	[8, 7, 5, 1, 2, 3, 4, 6]	19.0	0.001647303624067973
75	[6, 4, 1, 8, 5, 2, 3, 7]	26.0	0.00225420495925091
76	[8, 3, 5, 6, 4, 7, 2, 1]	20.0	0.0017340038148083927
77	[5, 7, 3, 4, 1, 6, 2, 8]	18.0	0.0015606034333275533
78	[8, 1, 3, 2, 6, 7, 4, 5]	23.0	0.0019941043870296514
79	[3, 2, 5, 6, 4, 1, 7, 8]	21.0	0.0018207040055488123
80	[3, 6, 1, 5, 2, 8, 7, 4]	25.0	0.0021675047685104907
81	[8, 6, 1, 7, 3, 2, 5, 4]	20.0	0.0017340038148083927
82	[4, 7, 2, 8, 3, 6, 5, 1]	22.0	0.0019074041962892317
83	[4, 7, 1, 5, 2, 3, 6, 8]	24.0	0.0020808045777700713
84	[3, 7, 2, 6, 4, 8, 5, 1]	21.0	0.0018207040055488123
85	[2, 5, 8, 6, 7, 3, 1, 4]	26.0	0.00225420495925091
86	[1, 3, 2, 6, 4, 7, 5, 8]	24.0	0.0020808045777700713
87	[4, 3, 8, 7, 2, 1, 5, 6]	23.0	0.0019941043870296514
88	[8, 7, 5, 1, 6, 4, 3, 2]	24.0	0.0020808045777700713
89	[8, 2, 1, 5, 4, 7, 6, 3]	21.0	0.0018207040055488123

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90	[5, 1, 6, 2, 8, 3, 4, 7]	23.0	0.0019941043870296514
91	[1, 3, 8, 5, 2, 6, 7, 4]	23.0	0.0019941043870296514
92	[6, 8, 3, 4, 2, 1, 5, 7]	24.0	0.0020808045777700713
93	[1, 4, 7, 6, 2, 8, 5, 3]	24.0	0.0020808045777700713
94	[3, 2, 5, 7, 6, 4, 8, 1]	24.0	0.0020808045777700713
95	[3, 1, 6, 8, 4, 7, 2, 5]	23.0	0.0019941043870296514
96	[8, 1, 5, 3, 2, 6, 4, 7]	23.0	0.0019941043870296514
97	[2, 8, 1, 6, 3, 5, 7, 4]	26.0	0.00225420495925091
98	[7, 2, 8, 3, 5, 4, 1, 6]	24.0	0.0020808045777700713
99	[8, 1, 7, 2, 6, 5, 4, 3]	21.0	0.0018207040055488123
100	[4, 3, 2, 6, 1, 5, 7, 8]	23.0	0.0019941043870296514
101	[7, 4, 6, 2, 1, 5, 3, 8]	24.0	0.0020808045777700713
102	[1, 6, 2, 7, 4, 8, 3, 5]	27.0	0.00234090514999133
103	[4, 1, 8, 5, 3, 7, 6, 2]	25.0	0.0021675047685104907
104	[4, 2, 8, 7, 3, 6, 1, 5]	24.0	0.0020808045777700713
105	[7, 8, 5, 2, 1, 6, 4, 3]	24.0	0.0020808045777700713
106	[1, 4, 3, 7, 5, 2, 6, 8]	21.0	0.0018207040055488123
107	[1, 5, 2, 8, 4, 6, 7, 3]	23.0	0.0019941043870296514
108	[5, 3, 2, 1, 4, 6, 8, 7]	20.0	0.0017340038148083927
109	[6, 3, 7, 8, 2, 4, 5, 1]	23.0	0.0019941043870296514
110	[7, 1, 8, 2, 3, 4, 6, 5]	22.0	0.0019074041962892317
111	[1, 8, 5, 6, 3, 7, 4, 2]	23.0	0.0019941043870296514
112	[1, 7, 6, 5, 2, 3, 4, 8]	18.0	0.0015606034333275533
113	[5, 7, 2, 8, 4, 6, 3, 1]	22.0	0.0019074041962892317
114	[6, 2, 3, 7, 5, 4, 8, 1]	24.0	0.0020808045777700713
115	[4, 8, 5, 2, 6, 3, 7, 1]	27.0	0.00234090514999133
116	[4, 2, 6, 3, 7, 8, 1, 5]	26.0	0.00225420495925091
117	[4, 8, 3, 2, 7, 6, 5, 1]	22.0	0.0019074041962892317
118	[7, 2, 6, 5, 8, 1, 4, 3]	24.0	0.0020808045777700713
119	[3, 6, 5, 2, 4, 8, 7, 1]	22.0	0.0019074041962892317
120	[4, 7, 1, 3, 2, 5, 6, 8]	24.0	0.0020808045777700713
121	[7, 1, 5, 3, 2, 6, 4, 8]	23.0	0.0019941043870296514
122	[3, 1, 5, 2, 8, 4, 7, 6]	23.0	0.0019941043870296514
123	[8, 3, 5, 6, 2, 4, 1, 7]	25.0	0.0021675047685104907
124	[5, 6, 3, 1, 7, 8, 2, 4]	24.0	0.0020808045777700713
125	[1, 5, 7, 3, 2, 8, 4, 6]	23.0	0.0019941043870296514
126	[6, 4, 2, 1, 3, 8, 5, 7]	24.0	0.0020808045777700713
127	[6, 2, 3, 7, 8, 4, 1, 5]	25.0	0.0021675047685104907
128	[4, 1, 3, 8, 6, 5, 2, 7]	24.0	0.0020808045777700713
129	[2, 1, 5, 8, 4, 3, 7, 6]	24.0	0.0020808045777700713
130	[2, 1, 4, 5, 8, 3, 7, 6]	22.0	0.0019074041962892317
131	[3, 2, 1, 7, 5, 8, 6, 4]	23.0	0.0019941043870296514
132	[4, 7, 8, 5, 6, 2, 1, 3]	21.0	0.0018207040055488123
133	[4, 1, 7, 8, 2, 3, 6, 5]	22.0	0.0019074041962892317
134	[4, 1, 7, 5, 6, 2, 8, 3]	24.0	0.0020808045777700713

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135	[2, 1, 7, 5, 4, 8, 6, 3]	22.0	0.0019074041962892317
136	[6, 5, 4, 8, 7, 3, 2, 1]	21.0	0.0018207040055488123
137	[1, 6, 5, 4, 2, 8, 7, 3]	20.0	0.0017340038148083927
138	[2, 8, 5, 7, 3, 4, 6, 1]	25.0	0.0021675047685104907
139	[3, 2, 6, 7, 4, 1, 8, 5]	25.0	0.0021675047685104907
140	[6, 3, 5, 2, 8, 4, 7, 1]	27.0	0.00234090514999133
141	[4, 1, 3, 7, 2, 6, 8, 5]	25.0	0.0021675047685104907
142	[2, 8, 1, 5, 7, 4, 6, 3]	25.0	0.0021675047685104907
143	[7, 2, 5, 3, 6, 1, 8, 4]	25.0	0.0021675047685104907
144	[2, 8, 6, 1, 3, 7, 4, 5]	23.0	0.0019941043870296514
145	[1, 6, 5, 7, 2, 8, 3, 4]	25.0	0.0021675047685104907
146	[5, 6, 4, 7, 8, 2, 3, 1]	24.0	0.0020808045777700713
147	[5, 1, 3, 8, 7, 2, 6, 4]	21.0	0.0018207040055488123
148	[1, 8, 6, 3, 2, 7, 5, 4]	26.0	0.00225420495925091
149	[3, 6, 2, 4, 8, 7, 1, 5]	22.0	0.0019074041962892317
150	[6, 2, 5, 3, 8, 4, 1, 7]	25.0	0.0021675047685104907
151	[1, 2, 4, 7, 6, 3, 8, 5]	22.0	0.0019074041962892317
152	[6, 5, 4, 7, 1, 3, 8, 2]	23.0	0.0019941043870296514
153	[8, 1, 4, 2, 5, 6, 7, 3]	25.0	0.0021675047685104907
154	[7, 5, 1, 2, 4, 6, 8, 3]	27.0	0.00234090514999133
155	[6, 4, 7, 2, 8, 3, 5, 1]	25.0	0.0021675047685104907
156	[6, 3, 5, 1, 7, 8, 2, 4]	23.0	0.0019941043870296514
157	[8, 6, 7, 4, 3, 5, 1, 2]	19.0	0.001647303624067973
158	[2, 6, 5, 3, 4, 8, 1, 7]	21.0	0.0018207040055488123
159	[1, 4, 8, 3, 5, 2, 6, 7]	24.0	0.0020808045777700713
160	[1, 2, 4, 8, 7, 6, 3, 5]	22.0	0.0019074041962892317
161	[8, 4, 3, 1, 2, 7, 5, 6]	25.0	0.0021675047685104907
162	[2, 3, 7, 4, 6, 8, 1, 5]	24.0	0.0020808045777700713
163	[7, 2, 1, 3, 8, 4, 6, 5]	22.0	0.0019074041962892317
164	[1, 3, 4, 2, 5, 8, 7, 6]	20.0	0.0017340038148083927
165	[2, 6, 1, 7, 8, 4, 5, 3]	23.0	0.0019941043870296514
166	[6, 7, 1, 2, 8, 5, 4, 3]	23.0	0.0019941043870296514
167	[1, 4, 7, 2, 8, 5, 6, 3]	24.0	0.0020808045777700713
168	[1, 8, 4, 5, 3, 2, 6, 7]	25.0	0.0021675047685104907
169	[1, 3, 2, 5, 6, 4, 7, 8]	21.0	0.0018207040055488123
170	[4, 6, 8, 3, 5, 7, 1, 2]	25.0	0.0021675047685104907
171	[5, 3, 2, 6, 7, 8, 4, 1]	24.0	0.0020808045777700713
172	[8, 3, 2, 5, 1, 6, 4, 7]	24.0	0.0020808045777700713
173	[2, 5, 8, 6, 3, 4, 7, 1]	26.0	0.00225420495925091
174	[5, 8, 7, 2, 4, 1, 6, 3]	23.0	0.0019941043870296514
175	[8, 7, 3, 4, 1, 2, 5, 6]	22.0	0.0019074041962892317
176	[7, 4, 8, 1, 2, 6, 5, 3]	25.0	0.0021675047685104907
177	[4, 1, 2, 6, 5, 7, 8, 3]	24.0	0.0020808045777700713
178	[2, 1, 4, 7, 6, 3, 5, 8]	23.0	0.0019941043870296514
179	[6, 7, 1, 4, 3, 8, 5, 2]	23.0	0.0019941043870296514

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180	[3, 1, 7, 5, 6, 8, 4, 2]	24.0	0.0020808045777700713
181	[4, 1, 2, 8, 6, 3, 7, 5]	25.0	0.0021675047685104907
182	[5, 8, 4, 1, 7, 6, 2, 3]	26.0	0.00225420495925091
183	[1, 6, 3, 7, 5, 2, 8, 4]	23.0	0.0019941043870296514
184	[1, 8, 3, 7, 4, 2, 5, 6]	26.0	0.00225420495925091
185	[7, 1, 2, 4, 3, 5, 8, 6]	21.0	0.0018207040055488123
186	[1, 8, 2, 4, 6, 5, 3, 7]	22.0	0.0019074041962892317
187	[1, 8, 7, 3, 4, 6, 5, 2]	22.0	0.0019074041962892317
188	[4, 1, 5, 6, 8, 3, 2, 7]	24.0	0.0020808045777700713
189	[3, 7, 5, 6, 4, 2, 8, 1]	21.0	0.0018207040055488123
190	[7, 1, 8, 4, 6, 3, 2, 5]	24.0	0.0020808045777700713
191	[2, 5, 6, 8, 1, 4, 7, 3]	27.0	0.00234090514999133
192	[3, 5, 8, 6, 2, 1, 7, 4]	24.0	0.0020808045777700713
193	[2, 3, 7, 5, 4, 1, 6, 8]	23.0	0.0019941043870296514
194	[3, 6, 5, 8, 4, 2, 1, 7]	19.0	0.001647303624067973
195	[7, 1, 4, 6, 5, 2, 3, 8]	22.0	0.0019074041962892317
196	[6, 4, 1, 5, 3, 8, 7, 2]	25.0	0.0021675047685104907
197	[8, 3, 6, 5, 2, 1, 4, 7]	22.0	0.0019074041962892317
198	[2, 4, 6, 5, 7, 3, 1, 8]	23.0	0.0019941043870296514
199	[7, 4, 3, 1, 2, 8, 5, 6]	23.0	0.0019941043870296514
200	[8, 5, 1, 6, 2, 7, 4, 3]	25.0	0.0021675047685104907
201	[6, 5, 3, 8, 1, 4, 7, 2]	24.0	0.0020808045777700713
202	[1, 7, 4, 3, 5, 2, 6, 8]	23.0	0.0019941043870296514
203	[7, 3, 1, 4, 5, 2, 8, 6]	22.0	0.0019074041962892317
204	[7, 1, 8, 2, 6, 4, 3, 5]	25.0	0.0021675047685104907
205	[8, 1, 5, 3, 6, 7, 4, 2]	25.0	0.0021675047685104907
206	[1, 6, 3, 7, 4, 2, 5, 8]	24.0	0.0020808045777700713
207	[4, 6, 2, 3, 8, 7, 5, 1]	24.0	0.0020808045777700713
208	[2, 5, 4, 1, 8, 7, 6, 3]	20.0	0.0017340038148083927
209	[7, 8, 4, 5, 3, 2, 1, 6]	19.0	0.001647303624067973
210	[3, 7, 5, 4, 1, 8, 2, 6]	22.0	0.0019074041962892317
211	[1, 8, 7, 4, 3, 5, 6, 2]	22.0	0.0019074041962892317
212	[3, 8, 5, 7, 6, 1, 4, 2]	23.0	0.0019941043870296514
213	[2, 7, 8, 6, 4, 1, 5, 3]	24.0	0.0020808045777700713
214	[6, 5, 2, 3, 4, 8, 1, 7]	19.0	0.001647303624067973
215	[5, 7, 3, 6, 1, 8, 4, 2]	23.0	0.0019941043870296514
216	[1, 6, 3, 2, 5, 4, 7, 8]	15.0	0.0013005028611062944
217	[6, 7, 1, 2, 5, 3, 4, 8]	23.0	0.0019941043870296514
218	[5, 8, 2, 1, 4, 6, 7, 3]	25.0	0.0021675047685104907
219	[1, 2, 3, 5, 8, 7, 4, 6]	23.0	0.0019941043870296514
220	[2, 5, 4, 7, 8, 3, 6, 1]	21.0	0.0018207040055488123
221	[2, 1, 5, 7, 6, 3, 4, 8]	22.0	0.0019074041962892317
222	[1, 5, 7, 8, 3, 6, 4, 2]	24.0	0.0020808045777700713
223	[3, 1, 7, 6, 4, 8, 2, 5]	22.0	0.0019074041962892317
224	[8, 4, 5, 7, 2, 1, 6, 3]	24.0	0.0020808045777700713

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225	[5, 2, 8, 7, 4, 1, 6, 3]	23.0	0.0019941043870296514
226	[7, 2, 5, 1, 8, 4, 3, 6]	25.0	0.0021675047685104907
227	[1, 4, 8, 3, 5, 2, 7, 6]	24.0	0.0020808045777700713
228	[5, 1, 2, 4, 6, 8, 7, 3]	24.0	0.0020808045777700713
229	[7, 2, 8, 6, 1, 3, 5, 4]	26.0	0.00225420495925091
230	[8, 4, 3, 1, 2, 6, 5, 7]	24.0	0.0020808045777700713
231	[6, 8, 2, 5, 3, 7, 1, 4]	26.0	0.00225420495925091
232	[3, 1, 7, 4, 2, 8, 5, 6]	25.0	0.0021675047685104907
233	[4, 8, 7, 3, 6, 1, 5, 2]	24.0	0.0020808045777700713
234	[8, 7, 5, 2, 1, 6, 3, 4]	22.0	0.0019074041962892317
235	[3, 2, 4, 5, 1, 8, 7, 6]	21.0	0.0018207040055488123
236	[8, 4, 3, 7, 6, 5, 2, 1]	21.0	0.0018207040055488123
237	[6, 5, 3, 7, 2, 8, 1, 4]	24.0	0.0020808045777700713
238	[6, 5, 3, 2, 1, 8, 7, 4]	21.0	0.0018207040055488123
239	[3, 5, 6, 8, 7, 1, 2, 4]	20.0	0.0017340038148083927
240	[6, 1, 5, 8, 4, 2, 7, 3]	26.0	0.00225420495925091
241	[1, 6, 5, 3, 2, 4, 7, 8]	23.0	0.0019941043870296514
242	[4, 5, 6, 3, 1, 7, 2, 8]	23.0	0.0019941043870296514
243	[3, 2, 1, 8, 4, 6, 5, 7]	19.0	0.001647303624067973
244	[1, 6, 2, 7, 4, 5, 3, 8]	23.0	0.0019941043870296514
245	[1, 5, 8, 2, 4, 3, 7, 6]	24.0	0.0020808045777700713
246	[7, 6, 8, 3, 5, 1, 2, 4]	25.0	0.0021675047685104907
247	[5, 6, 8, 4, 1, 2, 7, 3]	20.0	0.0017340038148083927
248	[6, 7, 1, 8, 3, 2, 5, 4]	19.0	0.001647303624067973
249	[5, 2, 8, 7, 1, 6, 4, 3]	20.0	0.0017340038148083927
250	[8, 2, 6, 3, 7, 5, 4, 1]	23.0	0.0019941043870296514
251	[5, 8, 1, 3, 4, 2, 7, 6]	25.0	0.0021675047685104907
252	[1, 2, 3, 5, 7, 4, 6, 8]	22.0	0.0019074041962892317
253	[6, 1, 4, 5, 8, 7, 2, 3]	21.0	0.0018207040055488123
254	[7, 6, 2, 8, 5, 1, 3, 4]	23.0	0.0019941043870296514
255	[8, 3, 7, 6, 5, 4, 1, 2]	17.0	0.0014739032425871337
256	[1, 7, 5, 2, 4, 3, 6, 8]	23.0	0.0019941043870296514
257	[4, 1, 3, 6, 8, 7, 2, 5]	24.0	0.0020808045777700713
258	[6, 7, 2, 8, 1, 5, 4, 3]	23.0	0.0019941043870296514
259	[8, 3, 5, 6, 7, 1, 2, 4]	22.0	0.0019074041962892317
260	[4, 2, 7, 6, 3, 5, 8, 1]	27.0	0.00234090514999133
261	[6, 2, 4, 7, 3, 8, 5, 1]	26.0	0.00225420495925091
262	[5, 3, 6, 2, 1, 4, 8, 7]	22.0	0.0019074041962892317
263	[7, 2, 3, 6, 1, 4, 8, 5]	25.0	0.0021675047685104907
264	[5, 6, 4, 2, 8, 1, 3, 7]	25.0	0.0021675047685104907
265	[5, 8, 3, 7, 6, 1, 4, 2]	23.0	0.0019941043870296514
266	[6, 4, 3, 5, 7, 2, 8, 1]	24.0	0.0020808045777700713
267	[2, 8, 4, 7, 5, 3, 6, 1]	25.0	0.0021675047685104907
268	[2, 7, 4, 5, 3, 8, 1, 6]	21.0	0.0018207040055488123
269	[7, 6, 2, 3, 8, 1, 5, 4]	24.0	0.0020808045777700713

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270	[3, 8, 1, 2, 6, 7, 5, 4]	22.0	0.0019074041962892317
271	[6, 7, 1, 5, 2, 4, 3, 8]	23.0	0.0019941043870296514
272	[5, 2, 8, 3, 1, 4, 6, 7]	24.0	0.0020808045777700713
273	[7, 3, 2, 8, 4, 1, 6, 5]	23.0	0.0019941043870296514
274	[5, 3, 6, 2, 7, 1, 8, 4]	25.0	0.0021675047685104907
275	[7, 8, 5, 6, 4, 3, 2, 1]	18.0	0.0015606034333275533
276	[5, 1, 8, 7, 6, 4, 2, 3]	21.0	0.0018207040055488123
277	[2, 3, 7, 8, 5, 1, 6, 4]	24.0	0.0020808045777700713
278	[8, 7, 4, 3, 5, 1, 6, 2]	22.0	0.0019074041962892317
279	[8, 2, 3, 7, 4, 6, 5, 1]	21.0	0.0018207040055488123
280	[5, 4, 8, 7, 6, 1, 3, 2]	23.0	0.0019941043870296514
281	[7, 2, 5, 8, 3, 1, 6, 4]	24.0	0.0020808045777700713
282	[6, 1, 4, 2, 7, 3, 8, 5]	25.0	0.0021675047685104907
283	[8, 6, 2, 1, 4, 7, 5, 3]	25.0	0.0021675047685104907
284	[6, 5, 8, 3, 1, 4, 7, 2]	23.0	0.0019941043870296514
285	[7, 3, 8, 2, 4, 6, 1, 5]	27.0	0.00234090514999133
286	[6, 7, 1, 8, 4, 2, 3, 5]	25.0	0.0021675047685104907
287	[8, 6, 5, 4, 7, 2, 3, 1]	19.0	0.001647303624067973
288	[2, 3, 4, 8, 5, 1, 7, 6]	22.0	0.0019074041962892317
289	[7, 2, 5, 1, 8, 6, 3, 4]	24.0	0.0020808045777700713
290	[4, 5, 1, 3, 2, 6, 7, 8]	21.0	0.0018207040055488123
291	[5, 7, 3, 6, 2, 8, 1, 4]	26.0	0.00225420495925091
292	[6, 1, 5, 3, 4, 7, 8, 2]	23.0	0.0019941043870296514
293	[7, 8, 6, 1, 5, 4, 3, 2]	17.0	0.0014739032425871337
294	[4, 6, 2, 3, 5, 1, 8, 7]	22.0	0.0019074041962892317
295	[5, 6, 2, 4, 7, 8, 1, 3]	23.0	0.0019941043870296514
296	[5, 8, 6, 1, 2, 7, 3, 4]	25.0	0.0021675047685104907
297	[5, 4, 3, 2, 6, 1, 7, 8]	19.0	0.001647303624067973
298	[5, 3, 7, 6, 1, 8, 2, 4]	23.0	0.0019941043870296514
299	[3, 2, 8, 5, 7, 1, 6, 4]	25.0	0.0021675047685104907
300	[1, 5, 4, 2, 7, 8, 3, 6]	24.0	0.0020808045777700713
301	[1, 4, 6, 8, 2, 3, 7, 5]	23.0	0.0019941043870296514
302	[3, 8, 7, 2, 4, 1, 6, 5]	25.0	0.0021675047685104907
303	[8, 5, 4, 7, 2, 3, 6, 1]	20.0	0.0017340038148083927
304	[2, 3, 8, 7, 5, 6, 1, 4]	24.0	0.0020808045777700713
305	[2, 6, 7, 1, 8, 3, 4, 5]	20.0	0.0017340038148083927
306	[4, 3, 5, 8, 7, 1, 2, 6]	24.0	0.0020808045777700713
307	[4, 6, 2, 8, 1, 5, 7, 3]	24.0	0.0020808045777700713
308	[8, 6, 4, 3, 5, 7, 1, 2]	23.0	0.0019941043870296514
309	[4, 1, 2, 6, 5, 7, 3, 8]	22.0	0.0019074041962892317
310	[7, 2, 1, 3, 4, 8, 5, 6]	22.0	0.0019074041962892317
311	[1, 3, 6, 4, 7, 2, 5, 8]	23.0	0.0019941043870296514
312	[4, 3, 2, 8, 6, 5, 1, 7]	20.0	0.0017340038148083927
313	[3, 4, 1, 7, 8, 2, 6, 5]	22.0	0.0019074041962892317
314	[3, 5, 4, 6, 8, 2, 7, 1]	25.0	0.0021675047685104907

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315	[3, 8, 7, 2, 1, 6, 5, 4]	21.0	0.0018207040055488123
316	[2, 6, 8, 1, 3, 5, 7, 4]	26.0	0.00225420495925091
317	[3, 4, 2, 5, 6, 1, 7, 8]	25.0	0.0021675047685104907
318	[8, 1, 4, 2, 5, 3, 6, 7]	24.0	0.0020808045777700713
319	[3, 4, 8, 6, 7, 5, 1, 2]	19.0	0.001647303624067973
320	[6, 1, 8, 4, 2, 7, 3, 5]	24.0	0.0020808045777700713
321	[6, 7, 1, 3, 5, 4, 8, 2]	22.0	0.0019074041962892317
322	[3, 2, 4, 8, 7, 6, 5, 1]	19.0	0.001647303624067973
323	[3, 1, 4, 6, 2, 8, 7, 5]	22.0	0.0019074041962892317
324	[5, 6, 3, 2, 8, 1, 7, 4]	23.0	0.0019941043870296514
325	[1, 5, 6, 4, 7, 2, 8, 3]	25.0	0.0021675047685104907
326	[8, 1, 4, 6, 2, 3, 5, 7]	24.0	0.0020808045777700713
327	[4, 7, 6, 5, 2, 1, 8, 3]	21.0	0.0018207040055488123
328	[4, 7, 6, 2, 8, 1, 3, 5]	23.0	0.0019941043870296514
329	[1, 6, 4, 8, 3, 5, 2, 7]	25.0	0.0021675047685104907
330	[3, 5, 4, 8, 2, 1, 6, 7]	21.0	0.0018207040055488123
331	[7, 5, 2, 1, 4, 6, 3, 8]	25.0	0.0021675047685104907
332	[6, 2, 1, 4, 5, 3, 8, 7]	23.0	0.0019941043870296514
333	[7, 2, 1, 8, 3, 5, 6, 4]	23.0	0.0019941043870296514
334	[1, 2, 3, 8, 5, 7, 4, 6]	22.0	0.0019074041962892317
335	[8, 2, 7, 4, 1, 5, 6, 3]	25.0	0.0021675047685104907
336	[2, 5, 8, 6, 7, 1, 3, 4]	23.0	0.0019941043870296514
337	[2, 6, 1, 5, 8, 4, 7, 3]	26.0	0.00225420495925091
338	[8, 1, 3, 4, 5, 7, 2, 6]	24.0	0.0020808045777700713
339	[7, 6, 8, 2, 4, 3, 1, 5]	23.0	0.0019941043870296514
340	[5, 4, 1, 3, 8, 2, 6, 7]	23.0	0.0019941043870296514
341	[3, 8, 4, 6, 5, 7, 1, 2]	19.0	0.001647303624067973
342	[8, 6, 4, 3, 2, 5, 7, 1]	23.0	0.0019941043870296514
343	[4, 5, 7, 3, 8, 2, 6, 1]	22.0	0.0019074041962892317
344	[4, 3, 6, 8, 1, 2, 7, 5]	25.0	0.0021675047685104907
345	[6, 3, 7, 5, 2, 1, 8, 4]	22.0	0.0019074041962892317
346	[3, 5, 6, 7, 1, 4, 2, 8]	24.0	0.0020808045777700713
347	[1, 3, 7, 4, 8, 5, 2, 6]	27.0	0.00234090514999133
348	[1, 2, 8, 7, 3, 6, 4, 5]	21.0	0.0018207040055488123
349	[6, 4, 1, 5, 8, 3, 2, 7]	25.0	0.0021675047685104907
350	[8, 3, 5, 1, 2, 6, 7, 4]	24.0	0.0020808045777700713
351	[6, 7, 4, 3, 2, 1, 5, 8]	17.0	0.0014739032425871337
352	[8, 6, 7, 2, 1, 3, 4, 5]	22.0	0.0019074041962892317
353	[3, 4, 1, 6, 8, 5, 7, 2]	23.0	0.0019941043870296514
354	[7, 8, 4, 3, 5, 6, 1, 2]	20.0	0.0017340038148083927
355	[5, 8, 1, 2, 3, 4, 7, 6]	15.0	0.0013005028611062944
356	[1, 5, 2, 8, 6, 7, 4, 3]	24.0	0.0020808045777700713
357	[5, 8, 4, 3, 6, 2, 7, 1]	26.0	0.00225420495925091
358	[8, 5, 6, 7, 1, 2, 3, 4]	18.0	0.0015606034333275533
359	[4, 5, 7, 6, 2, 3, 1, 8]	24.0	0.0020808045777700713

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360	[1, 5, 6, 2, 7, 4, 3, 8]	24.0	0.0020808045777700713
361	[3, 4, 5, 8, 2, 7, 1, 6]	24.0	0.0020808045777700713
362	[4, 6, 8, 3, 2, 7, 5, 1]	27.0	0.00234090514999133
363	[1, 6, 8, 3, 7, 5, 4, 2]	24.0	0.0020808045777700713
364	[3, 5, 8, 4, 7, 6, 2, 1]	24.0	0.0020808045777700713
365	[2, 1, 5, 4, 3, 6, 8, 7]	20.0	0.0017340038148083927
366	[4, 7, 2, 6, 8, 3, 1, 5]	23.0	0.0019941043870296514
367	[7, 3, 1, 6, 2, 8, 4, 5]	24.0	0.0020808045777700713
368	[1, 3, 4, 2, 8, 6, 7, 5]	23.0	0.0019941043870296514
369	[1, 3, 5, 4, 7, 8, 2, 6]	22.0	0.0019074041962892317
370	[6, 5, 3, 8, 4, 2, 1, 7]	25.0	0.0021675047685104907
371	[4, 5, 1, 6, 3, 7, 8, 2]	24.0	0.0020808045777700713
372	[8, 3, 1, 4, 7, 2, 6, 5]	26.0	0.00225420495925091
373	[5, 4, 2, 3, 8, 7, 6, 1]	21.0	0.0018207040055488123
374	[8, 2, 6, 7, 4, 5, 3, 1]	19.0	0.001647303624067973
375	[6, 4, 1, 7, 2, 5, 3, 8]	26.0	0.00225420495925091
376	[3, 8, 5, 4, 6, 2, 1, 7]	21.0	0.0018207040055488123
377	[3, 7, 5, 4, 2, 8, 6, 1]	23.0	0.0019941043870296514
378	[3, 8, 2, 4, 6, 7, 5, 1]	27.0	0.00234090514999133
379	[4, 1, 6, 3, 5, 2, 8, 7]	23.0	0.0019941043870296514
380	[1, 5, 2, 6, 3, 4, 7, 8]	23.0	0.0019941043870296514
381	[2, 8, 4, 6, 7, 5, 1, 3]	24.0	0.0020808045777700713
382	[6, 4, 5, 1, 3, 2, 7, 8]	23.0	0.0019941043870296514
383	[2, 5, 7, 8, 6, 3, 4, 1]	23.0	0.0019941043870296514
384	[5, 4, 3, 2, 7, 1, 6, 8]	20.0	0.0017340038148083927
385	[4, 2, 3, 1, 5, 7, 6, 8]	20.0	0.0017340038148083927
386	[2, 8, 1, 7, 6, 3, 5, 4]	24.0	0.0020808045777700713
387	[7, 2, 3, 6, 4, 1, 8, 5]	27.0	0.00234090514999133
388	[6, 3, 7, 5, 4, 8, 1, 2]	24.0	0.0020808045777700713
389	[5, 7, 6, 1, 3, 2, 4, 8]	25.0	0.0021675047685104907
390	[3, 4, 7, 1, 8, 2, 5, 6]	26.0	0.00225420495925091
391	[8, 6, 4, 3, 7, 5, 2, 1]	23.0	0.0019941043870296514
392	[1, 4, 2, 5, 3, 6, 8, 7]	24.0	0.0020808045777700713
393	[1, 3, 4, 8, 6, 5, 7, 2]	23.0	0.0019941043870296514
394	[1, 7, 2, 6, 3, 4, 8, 5]	26.0	0.00225420495925091
395	[7, 1, 5, 8, 6, 3, 4, 2]	25.0	0.0021675047685104907
396	[3, 8, 1, 5, 2, 4, 7, 6]	22.0	0.0019074041962892317
397	[4, 1, 3, 7, 2, 8, 6, 5]	24.0	0.0020808045777700713
398	[7, 8, 3, 2, 6, 5, 4, 1]	23.0	0.0019941043870296514
399	[4, 3, 1, 6, 2, 7, 8, 5]	22.0	0.0019074041962892317
400	[2, 4, 5, 3, 1, 8, 7, 6]	21.0	0.0018207040055488123
401	[5, 2, 6, 7, 1, 8, 3, 4]	23.0	0.0019941043870296514
402	[4, 3, 7, 5, 2, 1, 8, 6]	23.0	0.0019941043870296514
403	[2, 4, 5, 1, 8, 3, 7, 6]	25.0	0.0021675047685104907
404	[6, 8, 7, 1, 5, 2, 3, 4]	19.0	0.001647303624067973

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405	[4, 3, 1, 5, 6, 7, 8, 2]	17.0	0.0014739032425871337
406	[2, 1, 6, 4, 8, 7, 3, 5]	22.0	0.0019074041962892317
407	[1, 4, 8, 5, 2, 6, 7, 3]	24.0	0.0020808045777700713
408	[3, 4, 6, 2, 5, 7, 1, 8]	25.0	0.0021675047685104907
409	[7, 4, 1, 3, 2, 5, 6, 8]	24.0	0.0020808045777700713
410	[4, 7, 2, 8, 1, 5, 6, 3]	23.0	0.0019941043870296514
411	[3, 8, 2, 1, 5, 4, 7, 6]	21.0	0.0018207040055488123
412	[7, 2, 6, 5, 1, 4, 3, 8]	24.0	0.0020808045777700713
413	[7, 3, 6, 4, 5, 2, 8, 1]	22.0	0.0019074041962892317
414	[5, 7, 1, 4, 2, 3, 8, 6]	25.0	0.0021675047685104907
415	[7, 8, 1, 4, 3, 6, 2, 5]	22.0	0.0019074041962892317
416	[3, 4, 1, 5, 8, 7, 6, 2]	22.0	0.0019074041962892317
417	[4, 6, 1, 5, 2, 3, 7, 8]	25.0	0.0021675047685104907
418	[6, 8, 2, 7, 1, 3, 4, 5]	24.0	0.0020808045777700713
419	[5, 2, 7, 1, 4, 8, 3, 6]	25.0	0.0021675047685104907
420	[6, 7, 5, 3, 2, 1, 8, 4]	21.0	0.0018207040055488123
421	[1, 2, 3, 6, 4, 8, 5, 7]	23.0	0.0019941043870296514
422	[7, 4, 1, 2, 5, 8, 3, 6]	21.0	0.0018207040055488123
423	[4, 6, 1, 3, 8, 5, 2, 7]	24.0	0.0020808045777700713
424	[3, 8, 1, 4, 7, 2, 6, 5]	24.0	0.0020808045777700713
425	[8, 2, 1, 4, 7, 6, 5, 3]	20.0	0.0017340038148083927
426	[2, 8, 1, 5, 4, 3, 7, 6]	22.0	0.0019074041962892317
427	[2, 4, 7, 8, 5, 1, 3, 6]	24.0	0.0020808045777700713
428	[2, 6, 3, 8, 7, 5, 4, 1]	25.0	0.0021675047685104907
429	[5, 8, 2, 3, 1, 4, 6, 7]	20.0	0.0017340038148083927
430	[4, 6, 7, 8, 1, 2, 5, 3]	22.0	0.0019074041962892317
431	[8, 2, 5, 6, 1, 7, 4, 3]	26.0	0.00225420495925091
432	[8, 5, 6, 2, 7, 1, 4, 3]	23.0	0.0019941043870296514
433	[3, 6, 8, 4, 7, 1, 5, 2]	25.0	0.0021675047685104907
434	[1, 6, 2, 8, 4, 3, 5, 7]	22.0	0.0019074041962892317
435	[7, 2, 5, 4, 8, 1, 3, 6]	24.0	0.0020808045777700713
436	[8, 5, 1, 6, 7, 2, 4, 3]	26.0	0.00225420495925091
437	[8, 3, 6, 4, 2, 5, 7, 1]	24.0	0.0020808045777700713
438	[8, 4, 3, 7, 5, 1, 2, 6]	24.0	0.0020808045777700713
439	[2, 5, 6, 8, 4, 7, 1, 3]	25.0	0.0021675047685104907
440	[6, 8, 1, 7, 3, 2, 5, 4]	22.0	0.0019074041962892317
441	[7, 3, 6, 8, 5, 2, 1, 4]	23.0	0.0019941043870296514
442	[3, 7, 8, 6, 2, 1, 5, 4]	24.0	0.0020808045777700713
443	[2, 3, 8, 6, 5, 4, 1, 7]	24.0	0.0020808045777700713
444	[4, 6, 5, 2, 8, 3, 1, 7]	24.0	0.0020808045777700713
445	[3, 4, 2, 5, 1, 6, 8, 7]	23.0	0.0019941043870296514
446	[7, 6, 5, 1, 2, 3, 8, 4]	22.0	0.0019074041962892317
447	[5, 3, 2, 4, 1, 7, 8, 6]	23.0	0.0019941043870296514
448	[6, 4, 8, 7, 1, 3, 5, 2]	25.0	0.0021675047685104907
449	[8, 4, 5, 7, 2, 1, 6, 3]	24.0	0.0020808045777700713

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450	[5, 3, 6, 4, 2, 8, 7, 1]	25.0	0.0021675047685104907
451	[7, 5, 2, 3, 6, 1, 8, 4]	23.0	0.0019941043870296514
452	[3, 2, 5, 6, 4, 1, 8, 7]	22.0	0.0019074041962892317
453	[2, 5, 3, 8, 1, 4, 6, 7]	26.0	0.00225420495925091
454	[3, 1, 2, 6, 8, 4, 5, 7]	22.0	0.0019074041962892317
455	[6, 4, 2, 1, 8, 5, 7, 3]	25.0	0.0021675047685104907
456	[6, 4, 1, 8, 2, 7, 5, 3]	25.0	0.0021675047685104907
457	[5, 8, 2, 6, 4, 7, 1, 3]	26.0	0.00225420495925091
458	[8, 4, 3, 2, 7, 5, 1, 6]	23.0	0.0019941043870296514
459	[2, 4, 6, 7, 1, 8, 3, 5]	24.0	0.0020808045777700713
460	[6, 5, 3, 7, 1, 4, 8, 2]	24.0	0.0020808045777700713
461	[1, 7, 6, 8, 2, 4, 3, 5]	25.0	0.0021675047685104907
462	[1, 5, 3, 4, 2, 8, 7, 6]	18.0	0.0015606034333275533
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1427	[6,	2,	4,	5,	1,	7,	8,	3]
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1429	[8,	6,	1,	7,	6,	8,	2,	5]
1430	[3,	4,	4,	7,	1,	2,	5,	7]
1431	[7,	2,	8,	6,	5,	3,	6,	3]
1432	[1,	2,	7,	4,	1,	4,	5,	3]
1433	[2,	3,	1,	8,	1,	7,	6,	6]
1434	[3,	8,	2,	7,	2,	8,	8,	4]
1435	[7,	4,	6,	2,	5,	8,	6,	4]
1436	[3,	8,	8,	5,	4,	8,	5,	3]
1437	[6,	8,	6,	1,	6,	2,	6,	3]
1438	[3,	2,	8,	1,	5,	7,	8,	3]
1439	[8,	3,	4,	7,	1,	1,	7,	4]

File - 8queens

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1440 [8, 4, 5, 1, 4, 6, 8, 7]
1441 [8, 8, 6, 7, 2, 3, 8, 7]
1442 [8, 6, 6, 6, 5, 3, 5, 5]
1443 [1, 7, 6, 1, 8, 1, 2, 4]
1444 [6, 4, 6, 3, 7, 1, 6, 7]
1445 [7, 6, 1, 4, 8, 1, 8, 7]
1446 [5, 3, 7, 6, 4, 8, 5, 3]
1447 [7, 4, 6, 8, 8, 1, 8, 3]
1448 [8, 1, 8, 3, 5, 3, 3, 8]
1449 [5, 6, 1, 6, 8, 1, 5, 2]
1450 [3, 1, 5, 6, 1, 3, 7, 7]
1451 [5, 7, 5, 8, 4, 1, 3, 3]
1452 [3, 7, 8, 1, 7, 5, 8, 7]
1453 [4, 2, 4, 1, 1, 8, 2, 7]
1454 [6, 6, 6, 1, 4, 6, 4, 5]
1455 [3, 6, 8, 3, 5, 2, 8, 7]
1456 [3, 8, 8, 1, 5, 1, 1, 5]
1457 [1, 7, 8, 1, 7, 5, 6, 3]
1458 [6, 2, 6, 7, 5, 8, 8, 4]
1459 [3, 4, 3, 1, 1, 3, 8, 4]
1460 [4, 1, 3, 8, 6, 3, 8, 5]
1461 [4, 3, 8, 5, 5, 8, 7, 7]
1462 [4, 1, 5, 1, 7, 3, 4, 2]
1463 [3, 5, 4, 8, 1, 8, 1, 6]
1464 [3, 7, 7, 6, 5, 8, 4, 7]
1465 [8, 7, 4, 7, 1, 1, 1, 3]
1466 [8, 1, 7, 1, 1, 8, 5, 2]
1467 [6, 7, 4, 7, 1, 4, 6, 2]
1468 [8, 8, 6, 7, 2, 3, 8, 7]
1469 Resolved: [5, 2, 6, 1, 7, 4, 8, 3]
1470
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