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1 C:\Users\hhpha\AppData\Local\Programs\Python\Python39\python.exe C:/Users/hhpha/  
PycharmProjects/Feature_Selection/main.py  
2 **Feature Selection and Nearest Neighbor Classification Algorithm**  
3  
4 Type in the name of the file to test: CS170_Large_Data__78.txt  
5  
6 (1) Forward Selection  
7 (2) Backwards Elimination  
8 Type the number of the algorithm you want to run: 1  
9  
10 Starting Forward Selection  
11 On the 0 th level of the search tree  
12 ---Using features [] 1 the accuracy is 0.717  
13 ---Using features [] 2 the accuracy is 0.677  
14 ---Using features [] 3 the accuracy is 0.658  
15 ---Using features [] 4 the accuracy is 0.688  
16 ---Using features [] 5 the accuracy is 0.647  
17 ---Using features [] 6 the accuracy is 0.674  
18 ---Using features [] 7 the accuracy is 0.664  
19 ---Using features [] 8 the accuracy is 0.677  
20 ---Using features [] 9 the accuracy is 0.679  
21 ---Using features [] 10 the accuracy is 0.68  
22 ---Using features [] 11 the accuracy is 0.671  
23 ---Using features [] 12 the accuracy is 0.679  
24 ---Using features [] 13 the accuracy is 0.657  
25 ---Using features [] 14 the accuracy is 0.664  
26 ---Using features [] 15 the accuracy is 0.686  
27 ---Using features [] 16 the accuracy is 0.657  
28 ---Using features [] 17 the accuracy is 0.689  
29 ---Using features [] 18 the accuracy is 0.65  
30 ---Using features [] 19 the accuracy is 0.665  
31 ---Using features [] 20 the accuracy is 0.686  
32 ---Using features [] 21 the accuracy is 0.678  
33 ---Using features [] 22 the accuracy is 0.663  
34 ---Using features [] 23 the accuracy is 0.668  
35 ---Using features [] 24 the accuracy is 0.658  
36 ---Using features [] 25 the accuracy is 0.689  
37 ---Using features [] 26 the accuracy is 0.661  
38 ---Using features [] 27 the accuracy is 0.651  
39 ---Using features [] 28 the accuracy is 0.687  
40 ---Using features [] 29 the accuracy is 0.663  
41 ---Using features [] 30 the accuracy is 0.651  
42 ---Using features [] 31 the accuracy is 0.685  
43 ---Using features [] 32 the accuracy is 0.67  
44 ---Using features [] 33 the accuracy is 0.683  
45 ---Using features [] 34 the accuracy is 0.652  
46 ---Using features [] 35 the accuracy is 0.673  
47 ---Using features [] 36 the accuracy is 0.667  
48 ---Using features [] 37 the accuracy is 0.656  
49 ---Using features [] 38 the accuracy is 0.659  
50 ---Using features [] 39 the accuracy is 0.851  
51 ---Using features [] 40 the accuracy is 0.682  
52 On level 0 I added feature 39 to current set  
53 On the 1 th level of the search tree  
54 ---Using features [39] 1 the accuracy is 0.836  
55 ---Using features [39] 2 the accuracy is 0.826
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56 ---Using features [39] 3 the accuracy is 0.832
57 ---Using features [39] 4 the accuracy is 0.826
58 ---Using features [39] 5 the accuracy is 0.832
59 ---Using features [39] 6 the accuracy is 0.836
60 ---Using features [39] 7 the accuracy is 0.837
61 ---Using features [39] 8 the accuracy is 0.839
62 ---Using features [39] 9 the accuracy is 0.835
63 ---Using features [39] 10 the accuracy is 0.848
64 ---Using features [39] 11 the accuracy is 0.855
65 ---Using features [39] 12 the accuracy is 0.825
66 ---Using features [39] 13 the accuracy is 0.814
67 ---Using features [39] 14 the accuracy is 0.838
68 ---Using features [39] 15 the accuracy is 0.974
69 ---Using features [39] 16 the accuracy is 0.829
70 ---Using features [39] 17 the accuracy is 0.825
71 ---Using features [39] 18 the accuracy is 0.819
72 ---Using features [39] 19 the accuracy is 0.833
73 ---Using features [39] 20 the accuracy is 0.834
74 ---Using features [39] 21 the accuracy is 0.848
75 ---Using features [39] 22 the accuracy is 0.839
76 ---Using features [39] 23 the accuracy is 0.816
77 ---Using features [39] 24 the accuracy is 0.847
78 ---Using features [39] 25 the accuracy is 0.856
79 ---Using features [39] 26 the accuracy is 0.817
80 ---Using features [39] 27 the accuracy is 0.814
81 ---Using features [39] 28 the accuracy is 0.816
82 ---Using features [39] 29 the accuracy is 0.813
83 ---Using features [39] 30 the accuracy is 0.826
84 ---Using features [39] 31 the accuracy is 0.849
85 ---Using features [39] 32 the accuracy is 0.849
86 ---Using features [39] 33 the accuracy is 0.811
87 ---Using features [39] 34 the accuracy is 0.837
88 ---Using features [39] 35 the accuracy is 0.825
89 ---Using features [39] 36 the accuracy is 0.836
90 ---Using features [39] 37 the accuracy is 0.822
91 ---Using features [39] 38 the accuracy is 0.829
92 ---Using features [39] 40 the accuracy is 0.837
93 On level 1 I added feature 15 to current set
94 On the 2 th level of the search tree
95 ---Using features [39, 15] 1 the accuracy is 0.944
96 ---Using features [39, 15] 2 the accuracy is 0.938
97 ---Using features [39, 15] 3 the accuracy is 0.94
98 ---Using features [39, 15] 4 the accuracy is 0.932
99 ---Using features [39, 15] 5 the accuracy is 0.937
100 ---Using features [39, 15] 6 the accuracy is 0.943
101 ---Using features [39, 15] 7 the accuracy is 0.934
102 ---Using features [39, 15] 8 the accuracy is 0.934
103 ---Using features [39, 15] 9 the accuracy is 0.931
104 ---Using features [39, 15] 10 the accuracy is 0.941
105 ---Using features [39, 15] 11 the accuracy is 0.959
106 ---Using features [39, 15] 12 the accuracy is 0.935
107 ---Using features [39, 15] 13 the accuracy is 0.93
108 ---Using features [39, 15] 14 the accuracy is 0.938
109 ---Using features [39, 15] 16 the accuracy is 0.92
110 ---Using features [39, 15] 17 the accuracy is 0.944
111 ---Using features [39, 15] 18 the accuracy is 0.924
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112 ---Using features [39, 15] 19 the accuracy is 0.934
113 ---Using features [39, 15] 20 the accuracy is 0.942
114 ---Using features [39, 15] 21 the accuracy is 0.943
115 ---Using features [39, 15] 22 the accuracy is 0.936
116 ---Using features [39, 15] 23 the accuracy is 0.938
117 ---Using features [39, 15] 24 the accuracy is 0.93
118 ---Using features [39, 15] 25 the accuracy is 0.952
119 ---Using features [39, 15] 26 the accuracy is 0.945
120 ---Using features [39, 15] 27 the accuracy is 0.932
121 ---Using features [39, 15] 28 the accuracy is 0.942
122 ---Using features [39, 15] 29 the accuracy is 0.933
123 ---Using features [39, 15] 30 the accuracy is 0.948
124 ---Using features [39, 15] 31 the accuracy is 0.93
125 ---Using features [39, 15] 32 the accuracy is 0.94
126 ---Using features [39, 15] 33 the accuracy is 0.932
127 ---Using features [39, 15] 34 the accuracy is 0.944
128 ---Using features [39, 15] 35 the accuracy is 0.945
129 ---Using features [39, 15] 36 the accuracy is 0.94
130 ---Using features [39, 15] 37 the accuracy is 0.942
131 ---Using features [39, 15] 38 the accuracy is 0.954
132 ---Using features [39, 15] 40 the accuracy is 0.933
133 On level 2 I added feature 11 to current set
134 On the 3 th level of the search tree
135 ---Using features [39, 15, 11] 1 the accuracy is 0.913
136 ---Using features [39, 15, 11] 2 the accuracy is 0.922
137 ---Using features [39, 15, 11] 3 the accuracy is 0.927
138 ---Using features [39, 15, 11] 4 the accuracy is 0.92
139 ---Using features [39, 15, 11] 5 the accuracy is 0.911
140 ---Using features [39, 15, 11] 6 the accuracy is 0.907
141 ---Using features [39, 15, 11] 7 the accuracy is 0.912
142 ---Using features [39, 15, 11] 8 the accuracy is 0.909
143 ---Using features [39, 15, 11] 9 the accuracy is 0.907
144 ---Using features [39, 15, 11] 10 the accuracy is 0.915
145 ---Using features [39, 15, 11] 12 the accuracy is 0.901
146 ---Using features [39, 15, 11] 13 the accuracy is 0.911
147 ---Using features [39, 15, 11] 14 the accuracy is 0.906
148 ---Using features [39, 15, 11] 16 the accuracy is 0.904
149 ---Using features [39, 15, 11] 17 the accuracy is 0.918
150 ---Using features [39, 15, 11] 18 the accuracy is 0.899
151 ---Using features [39, 15, 11] 19 the accuracy is 0.907
152 ---Using features [39, 15, 11] 20 the accuracy is 0.9
153 ---Using features [39, 15, 11] 21 the accuracy is 0.921
154 ---Using features [39, 15, 11] 22 the accuracy is 0.927
155 ---Using features [39, 15, 11] 23 the accuracy is 0.902
156 ---Using features [39, 15, 11] 24 the accuracy is 0.917
157 ---Using features [39, 15, 11] 25 the accuracy is 0.911
158 ---Using features [39, 15, 11] 26 the accuracy is 0.917
159 ---Using features [39, 15, 11] 27 the accuracy is 0.905
160 ---Using features [39, 15, 11] 28 the accuracy is 0.9
161 ---Using features [39, 15, 11] 29 the accuracy is 0.918
162 ---Using features [39, 15, 11] 30 the accuracy is 0.92
163 ---Using features [39, 15, 11] 31 the accuracy is 0.9
164 ---Using features [39, 15, 11] 32 the accuracy is 0.912
165 ---Using features [39, 15, 11] 33 the accuracy is 0.923
166 ---Using features [39, 15, 11] 34 the accuracy is 0.903
167 ---Using features [39, 15, 11] 35 the accuracy is 0.91

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168 ---Using features [39, 15, 11] 36 the accuracy is 0.917
169 ---Using features [39, 15, 11] 37 the accuracy is 0.92
170 ---Using features [39, 15, 11] 38 the accuracy is 0.915
171 ---Using features [39, 15, 11] 40 the accuracy is 0.913
172 On level 3 I added feature 3 to current set
173 On the 4 th level of the search tree
174 ---Using features [39, 15, 11, 3] 1 the accuracy is 0.878
175 ---Using features [39, 15, 11, 3] 2 the accuracy is 0.88
176 ---Using features [39, 15, 11, 3] 4 the accuracy is 0.864
177 ---Using features [39, 15, 11, 3] 5 the accuracy is 0.874
178 ---Using features [39, 15, 11, 3] 6 the accuracy is 0.862
179 ---Using features [39, 15, 11, 3] 7 the accuracy is 0.868
180 ---Using features [39, 15, 11, 3] 8 the accuracy is 0.877
181 ---Using features [39, 15, 11, 3] 9 the accuracy is 0.849
182 ---Using features [39, 15, 11, 3] 10 the accuracy is 0.865
183 ---Using features [39, 15, 11, 3] 12 the accuracy is 0.872
184 ---Using features [39, 15, 11, 3] 13 the accuracy is 0.863
185 ---Using features [39, 15, 11, 3] 14 the accuracy is 0.866
186 ---Using features [39, 15, 11, 3] 16 the accuracy is 0.874
187 ---Using features [39, 15, 11, 3] 17 the accuracy is 0.877
188 ---Using features [39, 15, 11, 3] 18 the accuracy is 0.852
189 ---Using features [39, 15, 11, 3] 19 the accuracy is 0.882
190 ---Using features [39, 15, 11, 3] 20 the accuracy is 0.882
191 ---Using features [39, 15, 11, 3] 21 the accuracy is 0.881
192 ---Using features [39, 15, 11, 3] 22 the accuracy is 0.899
193 ---Using features [39, 15, 11, 3] 23 the accuracy is 0.858
194 ---Using features [39, 15, 11, 3] 24 the accuracy is 0.879
195 ---Using features [39, 15, 11, 3] 25 the accuracy is 0.864
196 ---Using features [39, 15, 11, 3] 26 the accuracy is 0.88
197 ---Using features [39, 15, 11, 3] 27 the accuracy is 0.856
198 ---Using features [39, 15, 11, 3] 28 the accuracy is 0.872
199 ---Using features [39, 15, 11, 3] 29 the accuracy is 0.87
200 ---Using features [39, 15, 11, 3] 30 the accuracy is 0.878
201 ---Using features [39, 15, 11, 3] 31 the accuracy is 0.871
202 ---Using features [39, 15, 11, 3] 32 the accuracy is 0.876
203 ---Using features [39, 15, 11, 3] 33 the accuracy is 0.89
204 ---Using features [39, 15, 11, 3] 34 the accuracy is 0.866
205 ---Using features [39, 15, 11, 3] 35 the accuracy is 0.892
206 ---Using features [39, 15, 11, 3] 36 the accuracy is 0.883
207 ---Using features [39, 15, 11, 3] 37 the accuracy is 0.88
208 ---Using features [39, 15, 11, 3] 38 the accuracy is 0.876
209 ---Using features [39, 15, 11, 3] 40 the accuracy is 0.879
210 On level 4 I added feature 22 to current set
211 On the 5 th level of the search tree
212 ---Using features [39, 15, 11, 3, 22] 1 the accuracy is 0.846
213 ---Using features [39, 15, 11, 3, 22] 2 the accuracy is 0.848
214 ---Using features [39, 15, 11, 3, 22] 4 the accuracy is 0.829
215 ---Using features [39, 15, 11, 3, 22] 5 the accuracy is 0.841
216 ---Using features [39, 15, 11, 3, 22] 6 the accuracy is 0.851
217 ---Using features [39, 15, 11, 3, 22] 7 the accuracy is 0.852
218 ---Using features [39, 15, 11, 3, 22] 8 the accuracy is 0.869
219 ---Using features [39, 15, 11, 3, 22] 9 the accuracy is 0.841
220 ---Using features [39, 15, 11, 3, 22] 10 the accuracy is 0.836
221 ---Using features [39, 15, 11, 3, 22] 12 the accuracy is 0.856
222 ---Using features [39, 15, 11, 3, 22] 13 the accuracy is 0.819
223 ---Using features [39, 15, 11, 3, 22] 14 the accuracy is 0.842

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224 ---Using features [39, 15, 11, 3, 22] 16 the accuracy is 0.826
225 ---Using features [39, 15, 11, 3, 22] 17 the accuracy is 0.836
226 ---Using features [39, 15, 11, 3, 22] 18 the accuracy is 0.843
227 ---Using features [39, 15, 11, 3, 22] 19 the accuracy is 0.841
228 ---Using features [39, 15, 11, 3, 22] 20 the accuracy is 0.843
229 ---Using features [39, 15, 11, 3, 22] 21 the accuracy is 0.84
230 ---Using features [39, 15, 11, 3, 22] 23 the accuracy is 0.84
231 ---Using features [39, 15, 11, 3, 22] 24 the accuracy is 0.868
232 ---Using features [39, 15, 11, 3, 22] 25 the accuracy is 0.833
233 ---Using features [39, 15, 11, 3, 22] 26 the accuracy is 0.855
234 ---Using features [39, 15, 11, 3, 22] 27 the accuracy is 0.844
235 ---Using features [39, 15, 11, 3, 22] 28 the accuracy is 0.851
236 ---Using features [39, 15, 11, 3, 22] 29 the accuracy is 0.847
237 ---Using features [39, 15, 11, 3, 22] 30 the accuracy is 0.856
238 ---Using features [39, 15, 11, 3, 22] 31 the accuracy is 0.849
239 ---Using features [39, 15, 11, 3, 22] 32 the accuracy is 0.85
240 ---Using features [39, 15, 11, 3, 22] 33 the accuracy is 0.859
241 ---Using features [39, 15, 11, 3, 22] 34 the accuracy is 0.842
242 ---Using features [39, 15, 11, 3, 22] 35 the accuracy is 0.844
243 ---Using features [39, 15, 11, 3, 22] 36 the accuracy is 0.846
244 ---Using features [39, 15, 11, 3, 22] 37 the accuracy is 0.851
245 ---Using features [39, 15, 11, 3, 22] 38 the accuracy is 0.838
246 ---Using features [39, 15, 11, 3, 22] 40 the accuracy is 0.833
247 On level 5 I added feature 8 to current set
248 On the 6 th level of the search tree
249 ---Using features [39, 15, 11, 3, 22, 8] 1 the accuracy is 0.801
250 ---Using features [39, 15, 11, 3, 22, 8] 2 the accuracy is 0.822
251 ---Using features [39, 15, 11, 3, 22, 8] 4 the accuracy is 0.816
252 ---Using features [39, 15, 11, 3, 22, 8] 5 the accuracy is 0.827
253 ---Using features [39, 15, 11, 3, 22, 8] 6 the accuracy is 0.821
254 ---Using features [39, 15, 11, 3, 22, 8] 7 the accuracy is 0.819
255 ---Using features [39, 15, 11, 3, 22, 8] 9 the accuracy is 0.846
256 ---Using features [39, 15, 11, 3, 22, 8] 10 the accuracy is 0.809
257 ---Using features [39, 15, 11, 3, 22, 8] 12 the accuracy is 0.81
258 ---Using features [39, 15, 11, 3, 22, 8] 13 the accuracy is 0.819
259 ---Using features [39, 15, 11, 3, 22, 8] 14 the accuracy is 0.818
260 ---Using features [39, 15, 11, 3, 22, 8] 16 the accuracy is 0.822
261 ---Using features [39, 15, 11, 3, 22, 8] 17 the accuracy is 0.82
262 ---Using features [39, 15, 11, 3, 22, 8] 18 the accuracy is 0.822
263 ---Using features [39, 15, 11, 3, 22, 8] 19 the accuracy is 0.823
264 ---Using features [39, 15, 11, 3, 22, 8] 20 the accuracy is 0.832
265 ---Using features [39, 15, 11, 3, 22, 8] 21 the accuracy is 0.814
266 ---Using features [39, 15, 11, 3, 22, 8] 23 the accuracy is 0.815
267 ---Using features [39, 15, 11, 3, 22, 8] 24 the accuracy is 0.829
268 ---Using features [39, 15, 11, 3, 22, 8] 25 the accuracy is 0.807
269 ---Using features [39, 15, 11, 3, 22, 8] 26 the accuracy is 0.832
270 ---Using features [39, 15, 11, 3, 22, 8] 27 the accuracy is 0.821
271 ---Using features [39, 15, 11, 3, 22, 8] 28 the accuracy is 0.82
272 ---Using features [39, 15, 11, 3, 22, 8] 29 the accuracy is 0.816
273 ---Using features [39, 15, 11, 3, 22, 8] 30 the accuracy is 0.82
274 ---Using features [39, 15, 11, 3, 22, 8] 31 the accuracy is 0.806
275 ---Using features [39, 15, 11, 3, 22, 8] 32 the accuracy is 0.821
276 ---Using features [39, 15, 11, 3, 22, 8] 33 the accuracy is 0.828
277 ---Using features [39, 15, 11, 3, 22, 8] 34 the accuracy is 0.836
278 ---Using features [39, 15, 11, 3, 22, 8] 35 the accuracy is 0.814
279 ---Using features [39, 15, 11, 3, 22, 8] 36 the accuracy is 0.834

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280 ---Using features [39, 15, 11, 3, 22, 8] 37 the accuracy is 0.804
281 ---Using features [39, 15, 11, 3, 22, 8] 38 the accuracy is 0.81
282 ---Using features [39, 15, 11, 3, 22, 8] 40 the accuracy is 0.813
283 On level 6 I added feature 9 to current set
284 On the 7 th level of the search tree
285 ---Using features [39, 15, 11, 3, 22, 8, 9] 1 the accuracy is 0.793
286 ---Using features [39, 15, 11, 3, 22, 8, 9] 2 the accuracy is 0.795
287 ---Using features [39, 15, 11, 3, 22, 8, 9] 4 the accuracy is 0.799
288 ---Using features [39, 15, 11, 3, 22, 8, 9] 5 the accuracy is 0.797
289 ---Using features [39, 15, 11, 3, 22, 8, 9] 6 the accuracy is 0.803
290 ---Using features [39, 15, 11, 3, 22, 8, 9] 7 the accuracy is 0.796
291 ---Using features [39, 15, 11, 3, 22, 8, 9] 10 the accuracy is 0.82
292 ---Using features [39, 15, 11, 3, 22, 8, 9] 12 the accuracy is 0.783
293 ---Using features [39, 15, 11, 3, 22, 8, 9] 13 the accuracy is 0.787
294 ---Using features [39, 15, 11, 3, 22, 8, 9] 14 the accuracy is 0.779
295 ---Using features [39, 15, 11, 3, 22, 8, 9] 16 the accuracy is 0.798
296 ---Using features [39, 15, 11, 3, 22, 8, 9] 17 the accuracy is 0.794
297 ---Using features [39, 15, 11, 3, 22, 8, 9] 18 the accuracy is 0.798
298 ---Using features [39, 15, 11, 3, 22, 8, 9] 19 the accuracy is 0.801
299 ---Using features [39, 15, 11, 3, 22, 8, 9] 20 the accuracy is 0.807
300 ---Using features [39, 15, 11, 3, 22, 8, 9] 21 the accuracy is 0.805
301 ---Using features [39, 15, 11, 3, 22, 8, 9] 23 the accuracy is 0.794
302 ---Using features [39, 15, 11, 3, 22, 8, 9] 24 the accuracy is 0.828
303 ---Using features [39, 15, 11, 3, 22, 8, 9] 25 the accuracy is 0.775
304 ---Using features [39, 15, 11, 3, 22, 8, 9] 26 the accuracy is 0.82
305 ---Using features [39, 15, 11, 3, 22, 8, 9] 27 the accuracy is 0.808
306 ---Using features [39, 15, 11, 3, 22, 8, 9] 28 the accuracy is 0.802
307 ---Using features [39, 15, 11, 3, 22, 8, 9] 29 the accuracy is 0.808
308 ---Using features [39, 15, 11, 3, 22, 8, 9] 30 the accuracy is 0.787
309 ---Using features [39, 15, 11, 3, 22, 8, 9] 31 the accuracy is 0.79
310 ---Using features [39, 15, 11, 3, 22, 8, 9] 32 the accuracy is 0.804
311 ---Using features [39, 15, 11, 3, 22, 8, 9] 33 the accuracy is 0.818
312 ---Using features [39, 15, 11, 3, 22, 8, 9] 34 the accuracy is 0.793
313 ---Using features [39, 15, 11, 3, 22, 8, 9] 35 the accuracy is 0.806
314 ---Using features [39, 15, 11, 3, 22, 8, 9] 36 the accuracy is 0.816
315 ---Using features [39, 15, 11, 3, 22, 8, 9] 37 the accuracy is 0.806
316 ---Using features [39, 15, 11, 3, 22, 8, 9] 38 the accuracy is 0.783
317 ---Using features [39, 15, 11, 3, 22, 8, 9] 40 the accuracy is 0.79
318 On level 7 I added feature 24 to current set
319 On the 8 th level of the search tree
320 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 1 the accuracy is 0.785
321 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 2 the accuracy is 0.782
322 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 4 the accuracy is 0.795
323 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 5 the accuracy is 0.796
324 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 6 the accuracy is 0.788
325 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 7 the accuracy is 0.793
326 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 10 the accuracy is 0.8
327 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 12 the accuracy is 0.775
328 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 13 the accuracy is 0.798
329 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 14 the accuracy is 0.789
330 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 16 the accuracy is 0.794
331 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 17 the accuracy is 0.777
332 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 18 the accuracy is 0.782
333 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 19 the accuracy is 0.77
334 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 20 the accuracy is 0.787
335 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 21 the accuracy is 0.778

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336 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 23 the accuracy is 0.778
337 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 25 the accuracy is 0.785
338 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 26 the accuracy is 0.802
339 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 27 the accuracy is 0.811
340 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 28 the accuracy is 0.806
341 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 29 the accuracy is 0.778
342 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 30 the accuracy is 0.799
343 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 31 the accuracy is 0.782
344 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 32 the accuracy is 0.79
345 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 33 the accuracy is 0.772
346 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 34 the accuracy is 0.792
347 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 35 the accuracy is 0.78
348 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 36 the accuracy is 0.782
349 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 37 the accuracy is 0.782
350 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 38 the accuracy is 0.782
351 ---Using features [39, 15, 11, 3, 22, 8, 9, 24] 40 the accuracy is 0.782
352 On level 8 I added feature 27 to current set
353 On the 9 th level of the search tree
354 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 1 the accuracy is 0.777
355 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 2 the accuracy is 0.766
356 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 4 the accuracy is 0.768
357 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 5 the accuracy is 0.77
358 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 6 the accuracy is 0.78
359 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 7 the accuracy is 0.783
360 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 10 the accuracy is 0.781
361 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 12 the accuracy is 0.773
362 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 13 the accuracy is 0.774
363 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 14 the accuracy is 0.8
364 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 16 the accuracy is 0.784
365 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 17 the accuracy is 0.784
366 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 18 the accuracy is 0.786
367 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 19 the accuracy is 0.771
368 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 20 the accuracy is 0.794
369 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 21 the accuracy is 0.772
370 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 23 the accuracy is 0.777
371 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 25 the accuracy is 0.769
372 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 26 the accuracy is 0.774
373 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 28 the accuracy is 0.8
374 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 29 the accuracy is 0.769
375 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 30 the accuracy is 0.792
376 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 31 the accuracy is 0.774
377 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 32 the accuracy is 0.804
378 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 33 the accuracy is 0.765
379 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 34 the accuracy is 0.779
380 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 35 the accuracy is 0.786
381 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 36 the accuracy is 0.784
382 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 37 the accuracy is 0.782
383 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 38 the accuracy is 0.778
384 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27] 40 the accuracy is 0.781
385 On level 9 I added feature 32 to current set
386 On the 10 th level of the search tree
387 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 1 the accuracy is 0.758
388 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 2 the accuracy is 0.774
389 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 4 the accuracy is 0.768
390 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 5 the accuracy is 0.752
391 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 6 the accuracy is 0.776

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392 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 7 the accuracy is 0.761
393 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 10 the accuracy is 0.773
394 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 12 the accuracy is 0.777
395 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 13 the accuracy is 0.766
396 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 14 the accuracy is 0.774
397 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 16 the accuracy is 0.775
398 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 17 the accuracy is 0.765
399 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 18 the accuracy is 0.77
400 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 19 the accuracy is 0.745
401 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 20 the accuracy is 0.774
402 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 21 the accuracy is 0.773
403 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 23 the accuracy is 0.776
404 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 25 the accuracy is 0.765
405 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 26 the accuracy is 0.767
406 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 28 the accuracy is 0.792
407 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 29 the accuracy is 0.776
408 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 30 the accuracy is 0.777
409 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 31 the accuracy is 0.774
410 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 33 the accuracy is 0.763
411 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 34 the accuracy is 0.778
412 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 35 the accuracy is 0.781
413 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 36 the accuracy is 0.794
414 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 37 the accuracy is 0.771
415 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 38 the accuracy is 0.773
416 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32] 40 the accuracy is 0.781
417 On level 10 I added feature 36 to current set
418 On the 11 th level of the search tree
419 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 1 the accuracy is 0.
752
420 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 2 the accuracy is 0.
757
421 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 4 the accuracy is 0.
76
422 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 5 the accuracy is 0.
756
423 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 6 the accuracy is 0.
789
424 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 7 the accuracy is 0.
752
425 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 10 the accuracy is 0.
788
426 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 12 the accuracy is 0.
769
427 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 13 the accuracy is 0.
757
428 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 14 the accuracy is 0.
786
429 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 16 the accuracy is 0.
766
430 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 17 the accuracy is 0.
768
431 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 18 the accuracy is 0.
75
432 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 19 the accuracy is 0.
738
433 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 20 the accuracy is 0.

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433 76
434 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 21 the accuracy is 0.
    767
435 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 23 the accuracy is 0.
    754
436 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 25 the accuracy is 0.
    764
437 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 26 the accuracy is 0.
    77
438 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 28 the accuracy is 0.
    784
439 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 29 the accuracy is 0.
    766
440 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 30 the accuracy is 0.
    758
441 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 31 the accuracy is 0.
    764
442 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 33 the accuracy is 0.
    756
443 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 34 the accuracy is 0.
    778
444 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 35 the accuracy is 0.
    775
445 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 37 the accuracy is 0.
    752
446 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 38 the accuracy is 0.
    76
447 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36] 40 the accuracy is 0.
    759
448 On level 11 I added feature 6 to current set
449 On the 12 th level of the search tree
450 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 1 the accuracy is
    0.752
451 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 2 the accuracy is
    0.747
452 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 4 the accuracy is
    0.749
453 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 5 the accuracy is
    0.765
454 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 7 the accuracy is
    0.727
455 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 10 the accuracy is
    0.766
456 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 12 the accuracy is
    0.772
457 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 13 the accuracy is
    0.761
458 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 14 the accuracy is
    0.758
459 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 16 the accuracy is
    0.756
460 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 17 the accuracy is
    0.756
461 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 18 the accuracy is
    0.765
462 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 19 the accuracy is
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462 0.748
463 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 20 the accuracy is
0.744
464 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 21 the accuracy is
0.763
465 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 23 the accuracy is
0.754
466 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 25 the accuracy is
0.753
467 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 26 the accuracy is
0.767
468 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 28 the accuracy is
0.767
469 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 29 the accuracy is
0.758
470 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 30 the accuracy is
0.736
471 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 31 the accuracy is
0.752
472 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 33 the accuracy is
0.752
473 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 34 the accuracy is
0.756
474 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 35 the accuracy is
0.764
475 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 37 the accuracy is
0.749
476 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 38 the accuracy is
0.753
477 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6] 40 the accuracy is
0.744
478 On level 12 I added feature 12 to current set
479 On the 13 th level of the search tree
480 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 1 the accuracy
is 0.734
481 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 2 the accuracy
is 0.742
482 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 4 the accuracy
is 0.755
483 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 5 the accuracy
is 0.768
484 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 7 the accuracy
is 0.741
485 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 10 the
accuracy is 0.754
486 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 13 the
accuracy is 0.747
487 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 14 the
accuracy is 0.743
488 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 16 the
accuracy is 0.742
489 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 17 the
accuracy is 0.742
490 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 18 the
accuracy is 0.752
491 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 19 the
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491 accuracy is 0.749
492 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 20 the
accuracy is 0.746
493 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 21 the
accuracy is 0.755
494 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 23 the
accuracy is 0.739
495 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 25 the
accuracy is 0.751
496 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 26 the
accuracy is 0.761
497 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 28 the
accuracy is 0.753
498 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 29 the
accuracy is 0.752
499 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 30 the
accuracy is 0.738
500 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 31 the
accuracy is 0.732
501 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 33 the
accuracy is 0.75
502 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 34 the
accuracy is 0.76
503 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 35 the
accuracy is 0.754
504 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 37 the
accuracy is 0.732
505 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 38 the
accuracy is 0.758
506 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12] 40 the
accuracy is 0.742
507 On level 13 I added feature 5 to current set
508 On the 14 th level of the search tree
509 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 1 the
accuracy is 0.717
510 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 2 the
accuracy is 0.729
511 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 4 the
accuracy is 0.733
512 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 7 the
accuracy is 0.726
513 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 10 the
accuracy is 0.739
514 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 13 the
accuracy is 0.737
515 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 14 the
accuracy is 0.724
516 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 16 the
accuracy is 0.732
517 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 17 the
accuracy is 0.741
518 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 18 the
accuracy is 0.733
519 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 19 the
accuracy is 0.755
520 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 20 the
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520 accuracy is 0.731
521 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 21 the
accuracy is 0.743
522 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 23 the
accuracy is 0.73
523 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 25 the
accuracy is 0.726
524 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 26 the
accuracy is 0.742
525 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 28 the
accuracy is 0.743
526 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 29 the
accuracy is 0.737
527 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 30 the
accuracy is 0.726
528 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 31 the
accuracy is 0.733
529 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 33 the
accuracy is 0.736
530 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 34 the
accuracy is 0.736
531 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 35 the
accuracy is 0.736
532 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 37 the
accuracy is 0.715
533 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 38 the
accuracy is 0.762
534 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5] 40 the
accuracy is 0.716
535 On level 14 I added feature 38 to current set
536 On the 15 th level of the search tree
537 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 1 the
accuracy is 0.723
538 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 2 the
accuracy is 0.732
539 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 4 the
accuracy is 0.726
540 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 7 the
accuracy is 0.733
541 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 10 the
accuracy is 0.718
542 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 13 the
accuracy is 0.73
543 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 14 the
accuracy is 0.703
544 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 16 the
accuracy is 0.714
545 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 17 the
accuracy is 0.726
546 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 18 the
accuracy is 0.72
547 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 19 the
accuracy is 0.732
548 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 20 the
accuracy is 0.725
549 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 21 the
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549 accuracy is 0.732
550 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 23 the
accuracy is 0.716
551 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 25 the
accuracy is 0.723
552 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 26 the
accuracy is 0.737
553 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 28 the
accuracy is 0.746
554 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 29 the
accuracy is 0.735
555 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 30 the
accuracy is 0.716
556 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 31 the
accuracy is 0.729
557 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 33 the
accuracy is 0.737
558 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 34 the
accuracy is 0.746
559 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 35 the
accuracy is 0.741
560 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 37 the
accuracy is 0.72
561 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38] 40 the
accuracy is 0.732
562 On level 15 I added feature 28 to current set
563 On the 16 th level of the search tree
564 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 1
the accuracy is 0.704
565 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 2
the accuracy is 0.718
566 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 4
the accuracy is 0.713
567 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 7
the accuracy is 0.729
568 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 10
the accuracy is 0.701
569 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 13
the accuracy is 0.715
570 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 14
the accuracy is 0.697
571 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 16
the accuracy is 0.678
572 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 17
the accuracy is 0.728
573 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 18
the accuracy is 0.705
574 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 19
the accuracy is 0.706
575 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 20
the accuracy is 0.711
576 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 21
the accuracy is 0.711
577 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 23
the accuracy is 0.705
578 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 25
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578 the accuracy is 0.71
579 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 26
    the accuracy is 0.717
580 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 29
    the accuracy is 0.717
581 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 30
    the accuracy is 0.712
582 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 31
    the accuracy is 0.72
583 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 33
    the accuracy is 0.705
584 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 34
    the accuracy is 0.737
585 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 35
    the accuracy is 0.714
586 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 37
    the accuracy is 0.717
587 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28] 40
    the accuracy is 0.7
588 On level 16 I added feature 34 to current set
589 On the 17 th level of the search tree
590 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 1 the accuracy is 0.713
591 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 2 the accuracy is 0.723
592 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 4 the accuracy is 0.725
593 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 7 the accuracy is 0.736
594 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 10 the accuracy is 0.726
595 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 13 the accuracy is 0.721
596 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 14 the accuracy is 0.711
597 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 16 the accuracy is 0.681
598 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 17 the accuracy is 0.735
599 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 18 the accuracy is 0.721
600 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 19 the accuracy is 0.696
601 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 20 the accuracy is 0.714
602 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 21 the accuracy is 0.719
603 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 23 the accuracy is 0.724
604 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 25 the accuracy is 0.716
605 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 26 the accuracy is 0.737
606 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 29 the accuracy is 0.71
607 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ]

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607 ] 30 the accuracy is 0.71
608 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 31 the accuracy is 0.723
609 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 33 the accuracy is 0.72
610 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 35 the accuracy is 0.722
611 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 37 the accuracy is 0.704
612 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    ] 40 the accuracy is 0.714
613 On level 17 I added feature 26 to current set
614 On the 18 th level of the search tree
615 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 1 the accuracy is 0.708
616 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 2 the accuracy is 0.71
617 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 4 the accuracy is 0.697
618 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 7 the accuracy is 0.72
619 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 10 the accuracy is 0.72
620 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 13 the accuracy is 0.71
621 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 14 the accuracy is 0.71
622 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 16 the accuracy is 0.701
623 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 17 the accuracy is 0.722
624 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 18 the accuracy is 0.722
625 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 19 the accuracy is 0.701
626 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 20 the accuracy is 0.699
627 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 21 the accuracy is 0.714
628 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 23 the accuracy is 0.709
629 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 25 the accuracy is 0.699
630 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 29 the accuracy is 0.717
631 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 30 the accuracy is 0.707
632 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 31 the accuracy is 0.712
633 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 33 the accuracy is 0.709
634 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 35 the accuracy is 0.735
635 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26] 37 the accuracy is 0.701
636 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34

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636 , 26] 40 the accuracy is 0.717
637 On level 18 I added feature 35 to current set
638 On the 19 th level of the search tree
639 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 1 the accuracy is 0.712
640 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 2 the accuracy is 0.715
641 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 4 the accuracy is 0.709
642 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 7 the accuracy is 0.721
643 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 10 the accuracy is 0.729
644 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 13 the accuracy is 0.716
645 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 14 the accuracy is 0.737
646 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 16 the accuracy is 0.71
647 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 17 the accuracy is 0.739
648 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 18 the accuracy is 0.718
649 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 19 the accuracy is 0.707
650 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 20 the accuracy is 0.717
651 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 21 the accuracy is 0.727
652 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 23 the accuracy is 0.708
653 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 25 the accuracy is 0.701
654 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 29 the accuracy is 0.72
655 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 30 the accuracy is 0.718
656 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 31 the accuracy is 0.72
657 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 33 the accuracy is 0.727
658 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 37 the accuracy is 0.71
659 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35] 40 the accuracy is 0.735
660 On level 19 I added feature 17 to current set
661 On the 20 th level of the search tree
662 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 1 the accuracy is 0.716
663 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 2 the accuracy is 0.721
664 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 4 the accuracy is 0.718
665 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 7 the accuracy is 0.724
666 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
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666 , 26, 35, 17] 10 the accuracy is 0.722
667 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 13 the accuracy is 0.724
668 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 14 the accuracy is 0.729
669 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 16 the accuracy is 0.696
670 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 18 the accuracy is 0.725
671 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 19 the accuracy is 0.719
672 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 20 the accuracy is 0.719
673 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 21 the accuracy is 0.716
674 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 23 the accuracy is 0.709
675 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 25 the accuracy is 0.711
676 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 29 the accuracy is 0.715
677 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 30 the accuracy is 0.714
678 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 31 the accuracy is 0.708
679 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 33 the accuracy is 0.729
680 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 37 the accuracy is 0.715
681 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17] 40 the accuracy is 0.729
682 On level 20 I added feature 14 to current set
683 On the 21 th level of the search tree
684 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 1 the accuracy is 0.708
685 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 2 the accuracy is 0.716
686 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 4 the accuracy is 0.711
687 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 7 the accuracy is 0.709
688 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 10 the accuracy is 0.725
689 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 13 the accuracy is 0.72
690 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 16 the accuracy is 0.719
691 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 18 the accuracy is 0.717
692 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 19 the accuracy is 0.725
693 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 20 the accuracy is 0.722
694 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 21 the accuracy is 0.71
695 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34

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695 , 26, 35, 17, 14] 23 the accuracy is 0.73
696 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 25 the accuracy is 0.708
697 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 29 the accuracy is 0.709
698 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 30 the accuracy is 0.7
699 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 31 the accuracy is 0.715
700 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 33 the accuracy is 0.731
701 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 37 the accuracy is 0.72
702 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14] 40 the accuracy is 0.739
703 On level 21 I added feature 40 to current set
704 On the 22 th level of the search tree
705 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 1 the accuracy is 0.689
706 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 2 the accuracy is 0.706
707 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 4 the accuracy is 0.708
708 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 7 the accuracy is 0.716
709 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 10 the accuracy is 0.705
710 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 13 the accuracy is 0.704
711 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 16 the accuracy is 0.711
712 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 18 the accuracy is 0.706
713 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 19 the accuracy is 0.714
714 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 20 the accuracy is 0.714
715 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 21 the accuracy is 0.692
716 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 23 the accuracy is 0.72
717 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 25 the accuracy is 0.709
718 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 29 the accuracy is 0.713
719 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 30 the accuracy is 0.697
720 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 31 the accuracy is 0.71
721 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 33 the accuracy is 0.709
722 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40] 37 the accuracy is 0.703
723 On level 22 I added feature 23 to current set
724 On the 23 th level of the search tree
725 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34

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725 , 26, 35, 17, 14, 40, 23] 1 the accuracy is 0.687
726 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 2 the accuracy is 0.705
727 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 4 the accuracy is 0.703
728 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 7 the accuracy is 0.7
729 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 10 the accuracy is 0.699
730 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 13 the accuracy is 0.711
731 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 16 the accuracy is 0.704
732 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 18 the accuracy is 0.705
733 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 19 the accuracy is 0.713
734 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 20 the accuracy is 0.708
735 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 21 the accuracy is 0.684
736 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 25 the accuracy is 0.697
737 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 29 the accuracy is 0.716
738 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 30 the accuracy is 0.702
739 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 31 the accuracy is 0.693
740 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 33 the accuracy is 0.712
741 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23] 37 the accuracy is 0.696
742 On level 23 I added feature 29 to current set
743 On the 24 th level of the search tree
744 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 1 the accuracy is 0.685
745 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 2 the accuracy is 0.708
746 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 4 the accuracy is 0.695
747 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 7 the accuracy is 0.703
748 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 10 the accuracy is 0.699
749 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 13 the accuracy is 0.71
750 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 16 the accuracy is 0.697
751 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 18 the accuracy is 0.699
752 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 19 the accuracy is 0.695
753 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 20 the accuracy is 0.688
754 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 21 the accuracy is 0.688

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754 , 26, 35, 17, 14, 40, 23, 29] 21 the accuracy is 0.689
755 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 25 the accuracy is 0.693
756 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 30 the accuracy is 0.685
757 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 31 the accuracy is 0.688
758 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 33 the accuracy is 0.7
759 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29] 37 the accuracy is 0.704
760 On level 24 I added feature 13 to current set
761 On the 25 th level of the search tree
762 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 1 the accuracy is 0.692
763 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 2 the accuracy is 0.707
764 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 4 the accuracy is 0.687
765 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 7 the accuracy is 0.695
766 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 10 the accuracy is 0.686
767 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 16 the accuracy is 0.69
768 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 18 the accuracy is 0.673
769 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 19 the accuracy is 0.685
770 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 20 the accuracy is 0.688
771 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 21 the accuracy is 0.677
772 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 25 the accuracy is 0.693
773 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 30 the accuracy is 0.688
774 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 31 the accuracy is 0.685
775 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 33 the accuracy is 0.698
776 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13] 37 the accuracy is 0.686
777 On level 25 I added feature 2 to current set
778 On the 26 th level of the search tree
779 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 1 the accuracy is 0.676
780 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 4 the accuracy is 0.686
781 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 7 the accuracy is 0.692
782 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 10 the accuracy is 0.674
783 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 16 the accuracy is 0.69
784 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 21 the accuracy is 0.68

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784 , 26, 35, 17, 14, 40, 23, 29, 13, 2] 18 the accuracy is 0.677
785 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 19 the accuracy is 0.678
786 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 20 the accuracy is 0.687
787 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 21 the accuracy is 0.686
788 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 25 the accuracy is 0.682
789 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 30 the accuracy is 0.679
790 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 31 the accuracy is 0.68
791 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 33 the accuracy is 0.702
792 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2] 37 the accuracy is 0.689
793 On level 26 I added feature 33 to current set
794 On the 27 th level of the search tree
795 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 1 the accuracy is 0.671
796 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 4 the accuracy is 0.691
797 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 7 the accuracy is 0.714
798 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 10 the accuracy is 0.688
799 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 16 the accuracy is 0.69
800 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 18 the accuracy is 0.687
801 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 19 the accuracy is 0.686
802 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 20 the accuracy is 0.686
803 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 21 the accuracy is 0.685
804 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 25 the accuracy is 0.676
805 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 30 the accuracy is 0.674
806 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 31 the accuracy is 0.674
807 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33] 37 the accuracy is 0.705
808 On level 27 I added feature 7 to current set
809 On the 28 th level of the search tree
810 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 1 the accuracy is 0.683
811 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 4 the accuracy is 0.693
812 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 10 the accuracy is 0.7
813 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
    , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 16 the accuracy is 0.691
814 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34

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814 , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 18 the accuracy is 0.697
815 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 19 the accuracy is 0.683
816 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 20 the accuracy is 0.684
817 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 21 the accuracy is 0.689
818 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 25 the accuracy is 0.683
819 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 30 the accuracy is 0.666
820 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 31 the accuracy is 0.668
821 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7] 37 the accuracy is 0.691
822 On level 28 I added feature 10 to current set
823 On the 29 th level of the search tree
824 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 1 the accuracy is 0.671
825 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 4 the accuracy is 0.692
826 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 16 the accuracy is 0.701
827 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 18 the accuracy is 0.685
828 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 19 the accuracy is 0.694
829 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 20 the accuracy is 0.691
830 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 21 the accuracy is 0.696
831 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 25 the accuracy is 0.686
832 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 30 the accuracy is 0.66
833 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 31 the accuracy is 0.662
834 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10] 37 the accuracy is 0.68
835 On level 29 I added feature 16 to current set
836 On the 30 th level of the search tree
837 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 1 the accuracy is 0.674
838 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 4 the accuracy is 0.69
839 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 18 the accuracy is 0.695
840 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 19 the accuracy is 0.696
841 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 20 the accuracy is 0.695
842 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 21 the accuracy is 0.69
843 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 25 the accuracy is 0.675
844 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34

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844 , 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 30 the accuracy is 0.671
845 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 31 the accuracy is 0.669
846 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16] 37 the accuracy is 0.687
847 On level 30 I added feature 19 to current set
848 On the 31 th level of the search tree
849 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 1 the accuracy is 0.671
850 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 4 the accuracy is 0.684
851 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 18 the accuracy is 0.686
852 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 20 the accuracy is 0.685
853 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 21 the accuracy is 0.678
854 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 25 the accuracy is 0.673
855 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 30 the accuracy is 0.677
856 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 31 the accuracy is 0.671
857 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19] 37 the accuracy is 0.692
858 On level 31 I added feature 37 to current set
859 On the 32 th level of the search tree
860 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 1 the accuracy is 0.
674
861 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 4 the accuracy is 0.
683
862 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 18 the accuracy is 0.
684
863 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 20 the accuracy is 0.
667
864 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 21 the accuracy is 0.
673
865 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 25 the accuracy is 0.
677
866 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 30 the accuracy is 0.
674
867 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37] 31 the accuracy is 0.
652
868 On level 32 I added feature 18 to current set
869 On the 33 th level of the search tree
870 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 1 the accuracy is
0.672

```

```

871 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 4 the accuracy is
0.68
872 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 20 the accuracy
is 0.675
873 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 21 the accuracy
is 0.659
874 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 25 the accuracy
is 0.672
875 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 30 the accuracy
is 0.675
876 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18] 31 the accuracy
is 0.667
877 On level 33 I added feature 4 to current set
878 On the 34 th level of the search tree
879 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4] 1 the accuracy
is 0.668
880 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4] 20 the
accuracy is 0.664
881 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4] 21 the
accuracy is 0.662
882 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4] 25 the
accuracy is 0.675
883 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4] 30 the
accuracy is 0.663
884 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4] 31 the
accuracy is 0.649
885 On level 34 I added feature 25 to current set
886 On the 35 th level of the search tree
887 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25] 1 the
accuracy is 0.652
888 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25] 20 the
accuracy is 0.67
889 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25] 21 the
accuracy is 0.654
890 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25] 30 the
accuracy is 0.652
891 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25] 31 the
accuracy is 0.652
892 On level 35 I added feature 20 to current set

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```
893 On the 36 th level of the search tree
894 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20] 1 the
accuracy is 0.652
895 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20] 21 the
accuracy is 0.657
896 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20] 30 the
accuracy is 0.653
897 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20] 31 the
accuracy is 0.653
898 On level 36 I added feature 21 to current set
899 On the 37 th level of the search tree
900 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20, 21] 1
the accuracy is 0.639
901 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20, 21] 30
the accuracy is 0.658
902 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20, 21] 31
the accuracy is 0.642
903 On level 37 I added feature 30 to current set
904 On the 38 th level of the search tree
905 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20, 21, 30
] 1 the accuracy is 0.628
906 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20, 21, 30
] 31 the accuracy is 0.645
907 On level 38 I added feature 31 to current set
908 On the 39 th level of the search tree
909 ---Using features [39, 15, 11, 3, 22, 8, 9, 24, 27, 32, 36, 6, 12, 5, 38, 28, 34
, 26, 35, 17, 14, 40, 23, 29, 13, 2, 33, 7, 10, 16, 19, 37, 18, 4, 25, 20, 21, 30
, 31] 1 the accuracy is 0.619
910 On level 39 I added feature 1 to current set
911
912 Search finished!
913 best accuracy: 0.974
914 using these features: [39, 15]
915 time elapsed: 7286.0
916
917 Process finished with exit code 0
918
```