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1 C:\Users\nguye\.virtualenvs\lab4_clustering\Scripts\  
python.exe "C:/Users/nguye/OneDrive/Documents/  
HpSepctrex360/GeneralClassDownloads/CSC 466/  
lab4_clustering/clustering/hclustering.py" ./data/  
iris.csv 0  
2 Cluster 0:  
3 2 points:  
4 Point: 8      sepal_length  sepal_width  petal_length  
petal_width  
5 8          0.57971      0.705882     0.084746      0.  
041667  
6 Point: 40      sepal_length  sepal_width  petal_length  
petal_width  
7 40         0.594203     0.705882     0.084746      0.  
041667  
8 Cluster 1:  
9 2 points:  
10 Point: 11      sepal_length  sepal_width  petal_length  
petal_width  
11 11         0.637681     0.794118     0.084746      0.  
041667  
12 Point: 49      sepal_length  sepal_width  petal_length  
petal_width  
13 49         0.623188     0.794118     0.084746      0.  
041667  
14 Cluster 2:  
15 2 points:  
16 Point: 18      sepal_length  sepal_width  petal_length  
petal_width  
17 18         0.594203     0.735294     0.067797      0.  
083333  
18 Point: 41      sepal_length  sepal_width  petal_length  
petal_width  
19 41         0.57971      0.735294     0.050847      0.  
083333  
20 Cluster 3:  
21 2 points:  
22 Point: 128      sepal_length  sepal_width  
petal_length  petal_width  
23 128        0.73913      0.588235     0.661017      0.  
708333
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24 Point: 139      sepal_length  sepal_width
          petal_length  petal_width
25 139      0.724638      0.588235      0.644068      0.
          708333
26 Cluster 4:
27 2 points:
28 Point: 3      sepal_length  sepal_width  petal_length
          petal_width
29 3      0.536232      0.647059      0.050847      0.
          041667
30 Point: 48      sepal_length  sepal_width  petal_length
          petal_width
31 48      0.521739      0.647059      0.067797      0.
          041667
32 Cluster 5:
33 2 points:
34 Point: 1      sepal_length  sepal_width  petal_length
          petal_width
35 1      0.594203      0.735294      0.067797      0.
          041667
36 Point: 28      sepal_length  sepal_width  petal_length
          petal_width
37 28      0.608696      0.735294      0.084746      0.
          041667
38 Cluster 6:
39 3 points:
40 Point: 29      sepal_length  sepal_width  petal_length
          petal_width
41 29      0.608696      0.705882      0.067797      0.
          041667
42 Point: 8      sepal_length  sepal_width  petal_length
          petal_width
43 8      0.57971      0.705882      0.084746      0.
          041667
44 Point: 40      sepal_length  sepal_width  petal_length
          petal_width
45 40      0.594203      0.705882      0.084746      0.
          041667
46 Cluster 7:
47 2 points:
48 Point: 67      sepal_length  sepal_width  petal_length
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48  petal_width
49 67      0.666667      0.588235      0.59322      0.
583333
50 Point: 85      sepal_length  sepal_width  petal_length
      petal_width
51 85      0.637681      0.588235      0.59322      0.
583333
52 Cluster 8:
53 2 points:
54 Point: 75      sepal_length  sepal_width  petal_length
      petal_width
55 75      0.782609      0.558824      0.559322
      0.5
56 Point: 98      sepal_length  sepal_width  petal_length
      petal_width
57 98      0.753623      0.558824      0.559322
      0.5
58 Cluster 9:
59 5 points:
60 Point: 1      sepal_length  sepal_width  petal_length
      petal_width
61 1      0.594203      0.735294      0.067797      0.
041667
62 Point: 28      sepal_length  sepal_width  petal_length
      petal_width
63 28      0.608696      0.735294      0.084746      0.
041667
64 Point: 29      sepal_length  sepal_width  petal_length
      petal_width
65 29      0.608696      0.705882      0.067797      0.
041667
66 Point: 8      sepal_length  sepal_width  petal_length
      petal_width
67 8      0.57971       0.705882      0.084746      0.
041667
68 Point: 40      sepal_length  sepal_width  petal_length
      petal_width
69 40      0.594203      0.705882      0.084746      0.
041667
70 Cluster 10:
71 2 points:
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72 Point: 58      sepal_length  sepal_width
    petal_length  petal_width
73 58          0.565217      0.411765      0.389831      0
    .375
74 Point: 94      sepal_length  sepal_width
    petal_length  petal_width
75 94          0.57971       0.382353      0.389831      0
    .375
76 Cluster 11:
77 2 points:
78 Point: 117      sepal_length  sepal_width
    petal_length  petal_width
79 117          0.797101      0.588235      0.762712      0.
    708333
80 Point: 138      sepal_length  sepal_width
    petal_length  petal_width
81 138          0.782609      0.617647      0.762712      0.
    708333
82 Cluster 12:
83 2 points:
84 Point: 66      sepal_length  sepal_width
    petal_length  petal_width
85 66          0.826087      0.617647      0.576271      0.
    541667
86 Point: 76      sepal_length  sepal_width
    petal_length  petal_width
87 76          0.811594      0.588235      0.576271      0.
    541667
88 Cluster 13:
89 2 points:
90 Point: 30      sepal_length  sepal_width
    petal_length  petal_width
91 30          0.536232      0.647059      0.101695      0.
    041667
92 Point: 31      sepal_length  sepal_width
    petal_length  petal_width
93 31          0.550725      0.617647      0.101695      0.
    041667
94 Cluster 14:
95 3 points:
96 Point: 4      sepal_length  sepal_width  petal_length

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96  petal_width
97 4      0.521739      0.617647      0.084746      0.
     041667
98 Point: 30      sepal_length  sepal_width
     petal_length  petal_width
99 30      0.536232      0.647059      0.101695      0.
     041667
100 Point: 31      sepal_length  sepal_width
     petal_length  petal_width
101 31      0.550725      0.617647      0.101695      0.
     041667
102 Cluster 15:
103 2 points:
104 Point: 9      sepal_length  sepal_width  petal_length
     petal_width
105 9      0.492754      0.558824      0.067797      0.
     041667
106 Point: 39      sepal_length  sepal_width
     petal_length  petal_width
107 39      0.492754      0.588235      0.050847      0.
     041667
108 Cluster 16:
109 2 points:
110 Point: 83      sepal_length  sepal_width
     petal_length  petal_width
111 83      0.695652      0.5      0.491525      0.
     458333
112 Point: 93      sepal_length  sepal_width
     petal_length  petal_width
113 93      0.695652      0.470588      0.508475      0.
     458333
114 Cluster 17:
115 2 points:
116 Point: 64      sepal_length  sepal_width
     petal_length  petal_width
117 64      0.73913      0.558824      0.627119      0.
     541667
118 Point: 92      sepal_length  sepal_width
     petal_length  petal_width
119 92      0.73913      0.588235      0.610169      0.
     541667
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120 Cluster 18:  
121 2 points:  
122 Point: 97      sepal_length  sepal_width  
           petal_length  petal_width  
123 97      0.681159      0.558824      0.542373  
           0.5  
124 Point: 100      sepal_length  sepal_width  
           petal_length  petal_width  
125 100      0.681159      0.529412      0.525424  
           0.5  
126 Cluster 19:  
127 2 points:  
128 Point: 2      sepal_length  sepal_width  petal_length  
           petal_width  
129 2      0.565217      0.588235      0.067797      0.  
           041667  
130 Point: 26      sepal_length  sepal_width  
           petal_length  petal_width  
131 26      0.57971      0.588235      0.101695      0.  
           041667  
132 Cluster 20:  
133 2 points:  
134 Point: 121      sepal_length  sepal_width  
           petal_length  petal_width  
135 121      0.855072      0.647059      0.79661      0.  
           916667  
136 Point: 144      sepal_length  sepal_width  
           petal_length  petal_width  
137 144      0.84058      0.647059      0.830508      0.  
           916667  
138 Cluster 21:  
139 2 points:  
140 Point: 124      sepal_length  sepal_width  
           petal_length  petal_width  
141 124      0.768116      0.5      0.661017      0.  
           708333  
142 Point: 127      sepal_length  sepal_width  
           petal_length  petal_width  
143 127      0.753623      0.529412      0.644068      0.  
           708333  
144 Cluster 22:
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145 2 points:  
146 Point: 70      sepal_length  sepal_width  
          petal_length  petal_width  
147 70      0.666667      0.441176      0.491525      0.  
        416667  
148 Point: 81      sepal_length  sepal_width  
          petal_length  petal_width  
149 81      0.652174      0.411765      0.474576      0.  
        416667  
150 Cluster 23:  
151 2 points:  
152 Point: 113      sepal_length  sepal_width  
          petal_length  petal_width  
153 113      0.84058      0.588235      0.762712      0.  
        833333  
154 Point: 140      sepal_length  sepal_width  
          petal_length  petal_width  
155 140      0.855072      0.617647      0.745763      0.  
        833333  
156 Cluster 24:  
157 2 points:  
158 Point: 10      sepal_length  sepal_width  
          petal_length  petal_width  
159 10      0.565217      0.617647      0.084746  
        0.0  
160 Point: 13      sepal_length  sepal_width  
          petal_length  petal_width  
161 13      0.550725      0.588235      0.067797  
        0.0  
162 Cluster 25:  
163 3 points:  
164 Point: 35      sepal_length  sepal_width  
          petal_length  petal_width  
165 35      0.565217      0.617647      0.084746  
        0.0  
166 Point: 10      sepal_length  sepal_width  
          petal_length  petal_width  
167 10      0.565217      0.617647      0.084746  
        0.0  
168 Point: 13      sepal_length  sepal_width  
          petal_length  petal_width
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169 13      0.550725      0.588235      0.067797
          0.0
170 Cluster 26:
171 4 points:
172 Point: 38      sepal_length  sepal_width
           petal_length  petal_width
173 38      0.565217      0.617647      0.084746
          0.0
174 Point: 35      sepal_length  sepal_width
           petal_length  petal_width
175 35      0.565217      0.617647      0.084746
          0.0
176 Point: 10      sepal_length  sepal_width
           petal_length  petal_width
177 10      0.565217      0.617647      0.084746
          0.0
178 Point: 13      sepal_length  sepal_width
           petal_length  petal_width
179 13      0.550725      0.588235      0.067797
          0.0
180 Cluster 27:
181 3 points:
182 Point: 43      sepal_length  sepal_width
           petal_length  petal_width
183 43      0.492754      0.647059      0.050847      0.
          041667
184 Point: 3      sepal_length  sepal_width  petal_length
           petal_width
185 3      0.536232      0.647059      0.050847      0.
          041667
186 Point: 48      sepal_length  sepal_width
           petal_length  petal_width
187 48      0.521739      0.647059      0.067797      0.
          041667
188 Cluster 28:
189 2 points:
190 Point: 129      sepal_length  sepal_width
           petal_length  petal_width
191 129      0.782609      0.529412      0.779661      0.
          833333
192 Point: 133      sepal_length  sepal_width
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192 petal_length  petal_width
193 133      0.782609      0.529412      0.779661
     0.875
194 Cluster 29:
195 2 points:
196 Point: 53      sepal_length  sepal_width
           petal_length  petal_width
197 53      0.855072      0.617647      0.661017      0.
     583333
198 Point: 87      sepal_length  sepal_width
           petal_length  petal_width
199 87      0.826087      0.617647      0.627119      0.
     583333
200 Cluster 30:
201 2 points:
202 Point: 142      sepal_length  sepal_width
           petal_length  petal_width
203 142      0.855072      0.617647      0.694915      0.
     916667
204 Point: 146      sepal_length  sepal_width
           petal_length  petal_width
205 146      0.826087      0.588235      0.711864      0.
     916667
206 Cluster 31:
207 2 points:
208 Point: 36      sepal_length  sepal_width
           petal_length  petal_width
209 36      0.57971       0.647059      0.033898      0.
     041667
210 Point: 50      sepal_length  sepal_width
           petal_length  petal_width
211 50      0.57971       0.676471      0.067797      0.
     041667
212 Cluster 32:
213 2 points:
214 Point: 20      sepal_length  sepal_width
           petal_length  petal_width
215 20      0.594203      0.823529      0.084746      0.
     083333
216 Point: 47      sepal_length  sepal_width
           petal_length  petal_width
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217 47      0.594203      0.823529      0.101695      0.  
        041667  
218 Cluster 33:  
219 3 points:  
220 Point: 95      sepal_length  sepal_width  
        petal_length  petal_width  
221 95      0.666667      0.5      0.542373  
        0.5  
222 Point: 97      sepal_length  sepal_width  
        petal_length  petal_width  
223 97      0.681159      0.558824      0.542373  
        0.5  
224 Point: 100     sepal_length  sepal_width  
        petal_length  petal_width  
225 100     0.681159      0.529412      0.525424  
        0.5  
226 Cluster 34:  
227 2 points:  
228 Point: 89      sepal_length  sepal_width  
        petal_length  petal_width  
229 89      0.666667      0.588235      0.525424  
        0.5  
230 Point: 96      sepal_length  sepal_width  
        petal_length  petal_width  
231 96      0.681159      0.588235      0.542373      0.  
        458333  
232 Cluster 35:  
233 3 points:  
234 Point: 150     sepal_length  sepal_width  
        petal_length  petal_width  
235 150     0.710145      0.588235      0.694915      0.  
        708333  
236 Point: 128     sepal_length  sepal_width  
        petal_length  petal_width  
237 128     0.73913      0.588235      0.661017      0.  
        708333  
238 Point: 139     sepal_length  sepal_width  
        petal_length  petal_width  
239 139     0.724638      0.588235      0.644068      0.  
        708333  
240 Cluster 36:
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241 7 points:  
242 Point: 18      sepal_length  sepal_width  
           petal_length  petal_width  
243 18      0.594203      0.735294      0.067797      0.  
     083333  
244 Point: 41      sepal_length  sepal_width  
           petal_length  petal_width  
245 41      0.57971       0.735294      0.050847      0.  
     083333  
246 Point: 1      sepal_length  sepal_width  petal_length  
           petal_width  
247 1      0.594203      0.735294      0.067797      0.  
     041667  
248 Point: 28      sepal_length  sepal_width  
           petal_length  petal_width  
249 28      0.608696      0.735294      0.084746      0.  
     041667  
250 Point: 29      sepal_length  sepal_width  
           petal_length  petal_width  
251 29      0.608696      0.705882      0.067797      0.  
     041667  
252 Point: 8      sepal_length  sepal_width  petal_length  
           petal_width  
253 8      0.57971       0.705882      0.084746      0.  
     041667  
254 Point: 40      sepal_length  sepal_width  
           petal_length  petal_width  
255 40      0.594203      0.705882      0.084746      0.  
     041667  
256 Cluster 37:  
257 8 points:  
258 Point: 5      sepal_length  sepal_width  petal_length  
           petal_width  
259 5      0.57971       0.764706      0.067797      0.  
     041667  
260 Point: 18      sepal_length  sepal_width  
           petal_length  petal_width  
261 18      0.594203      0.735294      0.067797      0.  
     083333  
262 Point: 41      sepal_length  sepal_width  
           petal_length  petal_width
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263 41      0.57971      0.735294      0.050847      0.
     083333
264 Point: 1      sepal_length  sepal_width  petal_length
           petal_width
265 1      0.594203      0.735294      0.067797      0.
     041667
266 Point: 28      sepal_length  sepal_width
           petal_length  petal_width
267 28      0.608696      0.735294      0.084746      0.
     041667
268 Point: 29      sepal_length  sepal_width
           petal_length  petal_width
269 29      0.608696      0.705882      0.067797      0.
     041667
270 Point: 8      sepal_length  sepal_width  petal_length
           petal_width
271 8      0.57971      0.705882      0.084746      0.
     041667
272 Point: 40      sepal_length  sepal_width
           petal_length  petal_width
273 40      0.594203      0.705882      0.084746      0.
     041667
274 Cluster 38:
275 6 points:
276 Point: 4      sepal_length  sepal_width  petal_length
           petal_width
277 4      0.521739      0.617647      0.084746      0.
     041667
278 Point: 30      sepal_length  sepal_width
           petal_length  petal_width
279 30      0.536232      0.647059      0.101695      0.
     041667
280 Point: 31      sepal_length  sepal_width
           petal_length  petal_width
281 31      0.550725      0.617647      0.101695      0.
     041667
282 Point: 43      sepal_length  sepal_width
           petal_length  petal_width
283 43      0.492754      0.647059      0.050847      0.
     041667
284 Point: 3      sepal_length  sepal_width  petal_length

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284 petal_width
285 3      0.536232      0.647059      0.050847      0.
     041667
286 Point: 48      sepal_length  sepal_width
           petal_length  petal_width
287 48      0.521739      0.647059      0.067797      0.
     041667
288 Cluster 39:
289 6 points:
290 Point: 2      sepal_length  sepal_width  petal_length
           petal_width
291 2      0.565217      0.588235      0.067797      0.
     041667
292 Point: 26      sepal_length  sepal_width
           petal_length  petal_width
293 26      0.57971       0.588235      0.101695      0.
     041667
294 Point: 38      sepal_length  sepal_width
           petal_length  petal_width
295 38      0.565217      0.617647      0.084746
     0.0
296 Point: 35      sepal_length  sepal_width
           petal_length  petal_width
297 35      0.565217      0.617647      0.084746
     0.0
298 Point: 10      sepal_length  sepal_width
           petal_length  petal_width
299 10      0.565217      0.617647      0.084746
     0.0
300 Point: 13      sepal_length  sepal_width
           petal_length  petal_width
301 13      0.550725      0.588235      0.067797
     0.0
302 Cluster 40:
303 2 points:
304 Point: 12      sepal_length  sepal_width
           petal_length  petal_width
305 12      0.550725      0.705882      0.101695      0.
     041667
306 Point: 25      sepal_length  sepal_width
           petal_length  petal_width
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307	25	0.550725	0.705882	0.152542	0.
	041667				
308	Cluster 41:				
309	3 points:				
310	Point: 82	sepal_length	sepal_width		
	petal_length	petal_width			
311	82	0.652174	0.411765	0.457627	0
	.375				
312	Point: 70	sepal_length	sepal_width		
	petal_length	petal_width			
313	70	0.666667	0.441176	0.491525	0.
	416667				
314	Point: 81	sepal_length	sepal_width		
	petal_length	petal_width			
315	81	0.652174	0.411765	0.474576	0.
	416667				
316	Cluster 42:				
317	4 points:				
318	Point: 11	sepal_length	sepal_width		
	petal_length	petal_width			
319	11	0.637681	0.794118	0.084746	0.
	041667				
320	Point: 49	sepal_length	sepal_width		
	petal_length	petal_width			
321	49	0.623188	0.794118	0.084746	0.
	041667				
322	Point: 20	sepal_length	sepal_width		
	petal_length	petal_width			
323	20	0.594203	0.823529	0.084746	0.
	083333				
324	Point: 47	sepal_length	sepal_width		
	petal_length	petal_width			
325	47	0.594203	0.823529	0.101695	0.
	041667				
326	Cluster 43:				
327	3 points:				
328	Point: 104	sepal_length	sepal_width		
	petal_length	petal_width			
329	104	0.768116	0.558824	0.779661	0.
	708333				
330	Point: 117	sepal_length	sepal_width		

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330 petal_length  petal_width
331 117      0.797101      0.588235      0.762712      0.
    708333
332 Point: 138      sepal_length  sepal_width
            petal_length  petal_width
333 138      0.782609      0.617647      0.762712      0.
    708333
334 Cluster 44:
335 3 points:
336 Point: 79      sepal_length  sepal_width
            petal_length  petal_width
337 79      0.724638      0.558824      0.59322      0.
    583333
338 Point: 64      sepal_length  sepal_width
            petal_length  petal_width
339 64      0.73913      0.558824      0.627119      0.
    541667
340 Point: 92      sepal_length  sepal_width
            petal_length  petal_width
341 92      0.73913      0.588235      0.610169      0.
    541667
342 Cluster 45:
343 2 points:
344 Point: 137      sepal_length  sepal_width
            petal_length  petal_width
345 137      0.768116      0.705882      0.779661      0.
    958333
346 Point: 149      sepal_length  sepal_width
            petal_length  petal_width
347 149      0.753623      0.705882      0.745763      0.
    916667
348 Cluster 46:
349 2 points:
350 Point: 24      sepal_length  sepal_width
            petal_length  petal_width
351 24      0.594203      0.676471      0.118644      0.
    166667
352 Point: 27      sepal_length  sepal_width
            petal_length  petal_width
353 27      0.57971      0.705882      0.101695      0
    .125
```

```
354 Cluster 47:  
355 4 points:  
356 Point: 56      sepal_length  sepal_width  
           petal_length  petal_width  
357 56      0.681159      0.529412      0.59322  
           0.5  
358 Point: 95      sepal_length  sepal_width  
           petal_length  petal_width  
359 95      0.666667      0.5          0.542373  
           0.5  
360 Point: 97      sepal_length  sepal_width  
           petal_length  petal_width  
361 97      0.681159      0.558824      0.542373  
           0.5  
362 Point: 100     sepal_length  sepal_width  
           petal_length  petal_width  
363 100     0.681159      0.529412      0.525424  
           0.5  
364 Cluster 48:  
365 2 points:  
366 Point: 54      sepal_length  sepal_width  
           petal_length  petal_width  
367 54      0.652174      0.382353      0.508475  
           0.5  
368 Point: 90      sepal_length  sepal_width  
           petal_length  petal_width  
369 90      0.652174      0.441176      0.508475  
           0.5  
370 Cluster 49:  
371 3 points:  
372 Point: 51      sepal_length  sepal_width  
           petal_length  petal_width  
373 51      0.869565      0.647059      0.627119      0.  
           541667  
374 Point: 53      sepal_length  sepal_width  
           petal_length  petal_width  
375 53      0.855072      0.617647      0.661017      0.  
           583333  
376 Point: 87      sepal_length  sepal_width  
           petal_length  petal_width  
377 87      0.826087      0.617647      0.627119      0.
```

```
377 583333
378 Cluster 50:
379 2 points:
380 Point: 111      sepal_length  sepal_width
           petal_length  petal_width
381 111      0.797101      0.647059      0.694915      0.
           791667
382 Point: 148      sepal_length  sepal_width
           petal_length  petal_width
383 148      0.797101      0.588235      0.711864      0.
           791667
384 Cluster 51:
385 3 points:
386 Point: 32      sepal_length  sepal_width
           petal_length  petal_width
387 32      0.637681      0.705882      0.084746      0
           .125
388 Point: 24      sepal_length  sepal_width
           petal_length  petal_width
389 24      0.594203      0.676471      0.118644      0.
           166667
390 Point: 27      sepal_length  sepal_width
           petal_length  petal_width
391 27      0.57971      0.705882      0.101695      0
           .125
392 Cluster 52:
393 12 points:
394 Point: 4      sepal_length  sepal_width  petal_length
           petal_width
395 4      0.521739      0.617647      0.084746      0.
           041667
396 Point: 30      sepal_length  sepal_width
           petal_length  petal_width
397 30      0.536232      0.647059      0.101695      0.
           041667
398 Point: 31      sepal_length  sepal_width
           petal_length  petal_width
399 31      0.550725      0.617647      0.101695      0.
           041667
400 Point: 43      sepal_length  sepal_width
           petal_length  petal_width
```

```
401 43      0.492754      0.647059      0.050847      0.  
        041667  
402 Point: 3      sepal_length  sepal_width  petal_length  
        petal_width  
403 3      0.536232      0.647059      0.050847      0.  
        041667  
404 Point: 48      sepal_length  sepal_width  
        petal_length  petal_width  
405 48      0.521739      0.647059      0.067797      0.  
        041667  
406 Point: 2      sepal_length  sepal_width  petal_length  
        petal_width  
407 2      0.565217      0.588235      0.067797      0.  
        041667  
408 Point: 26      sepal_length  sepal_width  
        petal_length  petal_width  
409 26      0.57971       0.588235      0.101695      0.  
        041667  
410 Point: 38      sepal_length  sepal_width  
        petal_length  petal_width  
411 38      0.565217      0.617647      0.084746  
        0.0  
412 Point: 35      sepal_length  sepal_width  
        petal_length  petal_width  
413 35      0.565217      0.617647      0.084746  
        0.0  
414 Point: 10      sepal_length  sepal_width  
        petal_length  petal_width  
415 10      0.565217      0.617647      0.084746  
        0.0  
416 Point: 13      sepal_length  sepal_width  
        petal_length  petal_width  
417 13      0.550725      0.588235      0.067797  
        0.0  
418 Cluster 53:  
419 13 points:  
420 Point: 46      sepal_length  sepal_width  
        petal_length  petal_width  
421 46      0.550725      0.588235      0.067797      0.  
        083333  
422 Point: 4      sepal_length  sepal_width  petal_length
```

```
422 petal_width
423 4      0.521739      0.617647      0.084746      0.
     041667
424 Point: 30      sepal_length  sepal_width
           petal_length  petal_width
425 30      0.536232      0.647059      0.101695      0.
     041667
426 Point: 31      sepal_length  sepal_width
           petal_length  petal_width
427 31      0.550725      0.617647      0.101695      0.
     041667
428 Point: 43      sepal_length  sepal_width
           petal_length  petal_width
429 43      0.492754      0.647059      0.050847      0.
     041667
430 Point: 3      sepal_length  sepal_width  petal_length
           petal_width
431 3      0.536232      0.647059      0.050847      0.
     041667
432 Point: 48      sepal_length  sepal_width
           petal_length  petal_width
433 48      0.521739      0.647059      0.067797      0.
     041667
434 Point: 2      sepal_length  sepal_width  petal_length
           petal_width
435 2      0.565217      0.588235      0.067797      0.
     041667
436 Point: 26      sepal_length  sepal_width
           petal_length  petal_width
437 26      0.57971       0.588235      0.101695      0.
     041667
438 Point: 38      sepal_length  sepal_width
           petal_length  petal_width
439 38      0.565217      0.617647      0.084746
     0.0
440 Point: 35      sepal_length  sepal_width
           petal_length  petal_width
441 35      0.565217      0.617647      0.084746
     0.0
442 Point: 10      sepal_length  sepal_width
           petal_length  petal_width
```

```

443 10      0.565217    0.617647    0.084746
          0.0
444 Point: 13      sepal_length  sepal_width
          petal_length  petal_width
445 13      0.550725    0.588235    0.067797
          0.0
446 Cluster 54:
447 2 points:
448 Point: 57      sepal_length  sepal_width
          petal_length  petal_width
449 57      0.768116    0.676471    0.627119    0
          .625
450 Point: 86      sepal_length  sepal_width
          petal_length  petal_width
451 86      0.724638    0.705882    0.59322     0
          .625
452 Cluster 55:
453 2 points:
454 Point: 6       sepal_length  sepal_width  petal_length
          petal_width
455 6       0.637681    0.852941    0.118644    0.
          125
456 Point: 45      sepal_length  sepal_width
          petal_length  petal_width
457 45      0.594203    0.823529    0.152542    0
          .125
458 Cluster 56:
459 3 points:
460 Point: 14      sepal_length  sepal_width
          petal_length  petal_width
461 14      0.478261    0.588235    0.016949
          0.0
462 Point: 9       sepal_length  sepal_width  petal_length
          petal_width
463 9       0.492754    0.558824    0.067797    0.
          041667
464 Point: 39      sepal_length  sepal_width
          petal_length  petal_width
465 39      0.492754    0.588235    0.050847    0.
          041667
466 Cluster 57:

```

```
467 2 points:  
468 Point: 108      sepal_length  sepal_width  
          petal_length  petal_width  
469 108      0.913043      0.558824      0.898305      0.  
      708333  
470 Point: 131      sepal_length  sepal_width  
          petal_length  petal_width  
471 131      0.927536      0.529412      0.864407  
      0.75  
472 Cluster 58:  
473 3 points:  
474 Point: 141      sepal_length  sepal_width  
          petal_length  petal_width  
475 141      0.826087      0.617647      0.779661      0.  
      958333  
476 Point: 121      sepal_length  sepal_width  
          petal_length  petal_width  
477 121      0.855072      0.647059      0.79661      0.  
      916667  
478 Point: 144      sepal_length  sepal_width  
          petal_length  petal_width  
479 144      0.84058      0.647059      0.830508      0.  
      916667  
480 Cluster 59:  
481 3 points:  
482 Point: 72      sepal_length  sepal_width  
          petal_length  petal_width  
483 72      0.73913      0.529412      0.508475  
      0.5  
484 Point: 75      sepal_length  sepal_width  
          petal_length  petal_width  
485 75      0.782609      0.558824      0.559322  
      0.5  
486 Point: 98      sepal_length  sepal_width  
          petal_length  petal_width  
487 98      0.753623      0.558824      0.559322  
      0.5  
488 Cluster 60:  
489 4 points:  
490 Point: 71      sepal_length  sepal_width  
          petal_length  petal_width
```

491	71	0.710145	0.647059	0.644068	0.
		708333			
492	Point:	150	sepal_length	sepal_width	
		petal_length	petal_width		
493	150	0.710145	0.588235	0.694915	0.
		708333			
494	Point:	128	sepal_length	sepal_width	
		petal_length	petal_width		
495	128	0.73913	0.588235	0.661017	0.
		708333			
496	Point:	139	sepal_length	sepal_width	
		petal_length	petal_width		
497	139	0.724638	0.588235	0.644068	0.
		708333			
498	Cluster	61:			
499	2 points:				
500	Point:	84	sepal_length	sepal_width	
		petal_length	petal_width		
501	84	0.724638	0.5	0.694915	0
		.625			
502	Point:	134	sepal_length	sepal_width	
		petal_length	petal_width		
503	134	0.768116	0.529412	0.694915	0.
		583333			
504	Cluster	62:			
505	2 points:				
506	Point:	102	sepal_length	sepal_width	
		petal_length	petal_width		
507	102	0.695652	0.5	0.694915	
		0.75			
508	Point:	122	sepal_length	sepal_width	
		petal_length	petal_width		
509	122	0.666667	0.529412	0.661017	0.
		791667			
510	Cluster	63:			
511	3 points:				
512	Point:	143	sepal_length	sepal_width	
		petal_length	petal_width		
513	143	0.695652	0.5	0.694915	
		0.75			
514	Point:	102	sepal_length	sepal_width	

```
514 petal_length  petal_width
515 102          0.695652           0.5          0.694915
      0.75
516 Point: 122      sepal_length  sepal_width
      petal_length  petal_width
517 122          0.666667           0.529412        0.661017       0.
      791667
518 Cluster 64:
519 2 points:
520 Point: 59      sepal_length  sepal_width
      petal_length  petal_width
521 59          0.811594           0.558824        0.610169
      0.5
522 Point: 77      sepal_length  sepal_width
      petal_length  petal_width
523 77          0.84058            0.529412        0.644068       0.
      541667
524 Cluster 65:
525 2 points:
526 Point: 33      sepal_length  sepal_width
      petal_length  petal_width
527 33          0.608696           0.911765        0.084746
      0.0
528 Point: 34      sepal_length  sepal_width
      petal_length  petal_width
529 34          0.652174           0.941176        0.067797       0.
      041667
530 Cluster 66:
531 9 points:
532 Point: 37      sepal_length  sepal_width
      petal_length  petal_width
533 37          0.652174           0.735294        0.050847       0.
      041667
534 Point: 5       sepal_length  sepal_width  petal_length
      petal_width
535 5           0.57971            0.764706        0.067797       0.
      041667
536 Point: 18      sepal_length  sepal_width
      petal_length  petal_width
537 18          0.594203           0.735294        0.067797       0.
      083333
```

```
538 Point: 41      sepal_length  sepal_width
          petal_length  petal_width
539 41      0.57971      0.735294      0.050847      0.
          083333
540 Point: 1      sepal_length  sepal_width  petal_length
          petal_width
541 1      0.594203      0.735294      0.067797      0.
          041667
542 Point: 28      sepal_length  sepal_width
          petal_length  petal_width
543 28      0.608696      0.735294      0.084746      0.
          041667
544 Point: 29      sepal_length  sepal_width
          petal_length  petal_width
545 29      0.608696      0.705882      0.067797      0.
          041667
546 Point: 8      sepal_length  sepal_width  petal_length
          petal_width
547 8      0.57971      0.705882      0.084746      0.
          041667
548 Point: 40      sepal_length  sepal_width
          petal_length  petal_width
549 40      0.594203      0.705882      0.084746      0.
          041667
550 Cluster 67:
551 3 points:
552 Point: 22      sepal_length  sepal_width
          petal_length  petal_width
553 22      0.594203      0.794118      0.084746      0
          .125
554 Point: 6      sepal_length  sepal_width  petal_length
          petal_width
555 6      0.637681      0.852941      0.118644      0.
          125
556 Point: 45      sepal_length  sepal_width
          petal_length  petal_width
557 45      0.594203      0.823529      0.152542      0
          .125
558 Cluster 68:
559 10 points:
560 Point: 21      sepal_length  sepal_width
```

560	petal_length	petal_width			
561	21	0.637681	0.705882	0.118644	0.
	041667				
562	Point: 37	sepal_length	sepal_width		
	petal_length	petal_width			
563	37	0.652174	0.735294	0.050847	0.
	041667				
564	Point: 5	sepal_length	sepal_width	petal_length	
	petal_width				
565	5	0.57971	0.764706	0.067797	0.
	041667				
566	Point: 18	sepal_length	sepal_width		
	petal_length	petal_width			
567	18	0.594203	0.735294	0.067797	0.
	083333				
568	Point: 41	sepal_length	sepal_width		
	petal_length	petal_width			
569	41	0.57971	0.735294	0.050847	0.
	083333				
570	Point: 1	sepal_length	sepal_width	petal_length	
	petal_width				
571	1	0.594203	0.735294	0.067797	0.
	041667				
572	Point: 28	sepal_length	sepal_width		
	petal_length	petal_width			
573	28	0.608696	0.735294	0.084746	0.
	041667				
574	Point: 29	sepal_length	sepal_width		
	petal_length	petal_width			
575	29	0.608696	0.705882	0.067797	0.
	041667				
576	Point: 8	sepal_length	sepal_width	petal_length	
	petal_width				
577	8	0.57971	0.705882	0.084746	0.
	041667				
578	Point: 40	sepal_length	sepal_width		
	petal_length	petal_width			
579	40	0.594203	0.705882	0.084746	0.
	041667				
580	Cluster 69:				
581	15 points:				

582	Point: 36	sepal_length	sepal_width		
		petal_length	petal_width		
583	36	0.57971	0.647059	0.033898	0.
	041667				
584	Point: 50	sepal_length	sepal_width		
		petal_length	petal_width		
585	50	0.57971	0.676471	0.067797	0.
	041667				
586	Point: 46	sepal_length	sepal_width		
		petal_length	petal_width		
587	46	0.550725	0.588235	0.067797	0.
	083333				
588	Point: 4	sepal_length	sepal_width	petal_length	
		petal_width			
589	4	0.521739	0.617647	0.084746	0.
	041667				
590	Point: 30	sepal_length	sepal_width		
		petal_length	petal_width		
591	30	0.536232	0.647059	0.101695	0.
	041667				
592	Point: 31	sepal_length	sepal_width		
		petal_length	petal_width		
593	31	0.550725	0.617647	0.101695	0.
	041667				
594	Point: 43	sepal_length	sepal_width		
		petal_length	petal_width		
595	43	0.492754	0.647059	0.050847	0.
	041667				
596	Point: 3	sepal_length	sepal_width	petal_length	
		petal_width			
597	3	0.536232	0.647059	0.050847	0.
	041667				
598	Point: 48	sepal_length	sepal_width		
		petal_length	petal_width		
599	48	0.521739	0.647059	0.067797	0.
	041667				
600	Point: 2	sepal_length	sepal_width	petal_length	
		petal_width			
601	2	0.565217	0.588235	0.067797	0.
	041667				
602	Point: 26	sepal_length	sepal_width		

```
602 petal_length  petal_width
603 26          0.57971    0.588235    0.101695    0.
      041667
604 Point: 38    sepal_length  sepal_width
           petal_length  petal_width
605 38          0.565217   0.617647    0.084746
           0.0
606 Point: 35    sepal_length  sepal_width
           petal_length  petal_width
607 35          0.565217   0.617647    0.084746
           0.0
608 Point: 10    sepal_length  sepal_width
           petal_length  petal_width
609 10          0.565217   0.617647    0.084746
           0.0
610 Point: 13    sepal_length  sepal_width
           petal_length  petal_width
611 13          0.550725   0.588235    0.067797
           0.0
612 Cluster 70:
613 3 points:
614 Point: 55    sepal_length  sepal_width
           petal_length  petal_width
615 55          0.797101   0.529412    0.610169    0.
      583333
616 Point: 59    sepal_length  sepal_width
           petal_length  petal_width
617 59          0.811594   0.558824    0.610169
           0.5
618 Point: 77    sepal_length  sepal_width
           petal_length  petal_width
619 77          0.84058    0.529412    0.644068    0.
      541667
620 Cluster 71:
621 3 points:
622 Point: 105   sepal_length  sepal_width
           petal_length  petal_width
623 105         0.797101   0.588235    0.813559
           0.875
624 Point: 129   sepal_length  sepal_width
           petal_length  petal_width
```

625	129	0.782609	0.529412	0.779661	0.
	833333				
626	Point: 133	sepal_length	sepal_width		
		petal_length	petal_width		
627	133	0.782609	0.529412	0.779661	
	0.875				
628	Cluster 72:				
629	3 points:				
630	Point: 52	sepal_length	sepal_width		
		petal_length	petal_width		
631	52	0.782609	0.647059	0.59322	0.
	583333				
632	Point: 57	sepal_length	sepal_width		
		petal_length	petal_width		
633	57	0.768116	0.676471	0.627119	0
	.625				
634	Point: 86	sepal_length	sepal_width		
		petal_length	petal_width		
635	86	0.724638	0.705882	0.59322	0
	.625				
636	Cluster 73:				
637	6 points:				
638	Point: 89	sepal_length	sepal_width		
		petal_length	petal_width		
639	89	0.666667	0.588235	0.525424	
	0.5				
640	Point: 96	sepal_length	sepal_width		
		petal_length	petal_width		
641	96	0.681159	0.588235	0.542373	0.
	458333				
642	Point: 56	sepal_length	sepal_width		
		petal_length	petal_width		
643	56	0.681159	0.529412	0.59322	
	0.5				
644	Point: 95	sepal_length	sepal_width		
		petal_length	petal_width		
645	95	0.666667	0.5	0.542373	
	0.5				
646	Point: 97	sepal_length	sepal_width		
		petal_length	petal_width		
647	97	0.681159	0.558824	0.542373	

```
647      0.5
648 Point: 100      sepal_length  sepal_width
          petal_length  petal_width
649 100      0.681159      0.529412      0.525424
          0.5
650 Cluster 74:
651 4 points:
652 Point: 62      sepal_length  sepal_width
          petal_length  petal_width
653 62      0.710145      0.588235      0.542373      0.
          583333
654 Point: 79      sepal_length  sepal_width
          petal_length  petal_width
655 79      0.724638      0.558824      0.59322      0.
          583333
656 Point: 64      sepal_length  sepal_width
          petal_length  petal_width
657 64      0.73913      0.558824      0.627119      0.
          541667
658 Point: 92      sepal_length  sepal_width
          petal_length  petal_width
659 92      0.73913      0.588235      0.610169      0.
          541667
660 Cluster 75:
661 6 points:
662 Point: 67      sepal_length  sepal_width
          petal_length  petal_width
663 67      0.666667      0.588235      0.59322      0.
          583333
664 Point: 85      sepal_length  sepal_width
          petal_length  petal_width
665 85      0.637681      0.588235      0.59322      0.
          583333
666 Point: 62      sepal_length  sepal_width
          petal_length  petal_width
667 62      0.710145      0.588235      0.542373      0.
          583333
668 Point: 79      sepal_length  sepal_width
          petal_length  petal_width
669 79      0.724638      0.558824      0.59322      0.
          583333
```

```
670 Point: 64      sepal_length  sepal_width
          petal_length  petal_width
671 64      0.73913      0.558824      0.627119      0.
          541667
672 Point: 92      sepal_length  sepal_width
          petal_length  petal_width
673 92      0.73913      0.588235      0.610169      0.
          541667
674 Cluster 76:
675 4 points:
676 Point: 114      sepal_length  sepal_width
          petal_length  petal_width
677 114      0.681159      0.441176      0.677966      0.
          791667
678 Point: 143      sepal_length  sepal_width
          petal_length  petal_width
679 143      0.695652      0.5      0.694915
          0.75
680 Point: 102      sepal_length  sepal_width
          petal_length  petal_width
681 102      0.695652      0.5      0.694915
          0.75
682 Point: 122      sepal_length  sepal_width
          petal_length  petal_width
683 122      0.666667      0.529412      0.661017      0.
          791667
684 Cluster 77:
685 3 points:
686 Point: 116      sepal_length  sepal_width
          petal_length  petal_width
687 116      0.782609      0.647059      0.728814      0.
          916667
688 Point: 137      sepal_length  sepal_width
          petal_length  petal_width
689 137      0.768116      0.705882      0.779661      0.
          958333
690 Point: 149      sepal_length  sepal_width
          petal_length  petal_width
691 149      0.753623      0.705882      0.745763      0.
          916667
692 Cluster 78:
```

```
693 2 points:  
694 Point: 106      sepal_length  sepal_width  
          petal_length  petal_width  
695 106      0.956522      0.588235      0.949153      0.  
     833333  
696 Point: 123      sepal_length  sepal_width  
          petal_length  petal_width  
697 123      0.971014      0.529412      0.966102      0.  
     791667  
698 Cluster 79:  
699 7 points:  
700 Point: 11      sepal_length  sepal_width  
          petal_length  petal_width  
701 11      0.637681      0.794118      0.084746      0.  
     041667  
702 Point: 49      sepal_length  sepal_width  
          petal_length  petal_width  
703 49      0.623188      0.794118      0.084746      0.  
     041667  
704 Point: 20      sepal_length  sepal_width  
          petal_length  petal_width  
705 20      0.594203      0.823529      0.084746      0.  
     083333  
706 Point: 47      sepal_length  sepal_width  
          petal_length  petal_width  
707 47      0.594203      0.823529      0.101695      0.  
     041667  
708 Point: 22      sepal_length  sepal_width  
          petal_length  petal_width  
709 22      0.594203      0.794118      0.084746      0  
     .125  
710 Point: 6       sepal_length  sepal_width  petal_length  
          petal_width  
711 6       0.637681      0.852941      0.118644      0.  
     125  
712 Point: 45      sepal_length  sepal_width  
          petal_length  petal_width  
713 45      0.594203      0.823529      0.152542      0  
     .125  
714 Cluster 80:  
715 8 points:
```

```

716 Point: 19      sepal_length  sepal_width
          petal_length  petal_width
717 19      0.681159      0.823529      0.118644      0.
          083333
718 Point: 11      sepal_length  sepal_width
          petal_length  petal_width
719 11      0.637681      0.794118      0.084746      0.
          041667
720 Point: 49      sepal_length  sepal_width
          petal_length  petal_width
721 49      0.623188      0.794118      0.084746      0.
          041667
722 Point: 20      sepal_length  sepal_width
          petal_length  petal_width
723 20      0.594203      0.823529      0.084746      0.
          083333
724 Point: 47      sepal_length  sepal_width
          petal_length  petal_width
725 47      0.594203      0.823529      0.101695      0.
          041667
726 Point: 22      sepal_length  sepal_width
          petal_length  petal_width
727 22      0.594203      0.794118      0.084746      0
          .125
728 Point: 6       sepal_length  sepal_width  petal_length
          petal_width
729 6       0.637681      0.852941      0.118644      0.
          125
730 Point: 45      sepal_length  sepal_width
          petal_length  petal_width
731 45      0.594203      0.823529      0.152542      0
          .125
732 Cluster 81:
733 4 points:
734 Point: 80      sepal_length  sepal_width
          petal_length  petal_width
735 80      0.681159      0.470588      0.423729      0
          .375
736 Point: 82      sepal_length  sepal_width
          petal_length  petal_width
737 82      0.652174      0.411765      0.457627      0

```

```
737 .375
738 Point: 70      sepal_length  sepal_width
           petal_length  petal_width
739 70      0.666667      0.441176      0.491525      0.
           416667
740 Point: 81      sepal_length  sepal_width
           petal_length  petal_width
741 81      0.652174      0.411765      0.474576      0.
           416667
742 Cluster 82:
743 2 points:
744 Point: 101      sepal_length  sepal_width
           petal_length  petal_width
745 101      0.768116      0.676471      0.847458
           1.0
746 Point: 145      sepal_length  sepal_width
           petal_length  petal_width
747 145      0.826087      0.676471      0.79661
           1.0
748 Cluster 83:
749 3 points:
750 Point: 7      sepal_length  sepal_width  petal_length
           petal_width
751 7      0.521739      0.705882      0.067797      0.
           083333
752 Point: 12      sepal_length  sepal_width
           petal_length  petal_width
753 12      0.550725      0.705882      0.101695      0.
           041667
754 Point: 25      sepal_length  sepal_width
           petal_length  petal_width
755 25      0.550725      0.705882      0.152542      0.
           041667
756 Cluster 84:
757 5 points:
758 Point: 66      sepal_length  sepal_width
           petal_length  petal_width
759 66      0.826087      0.617647      0.576271      0.
           541667
760 Point: 76      sepal_length  sepal_width
           petal_length  petal_width
```

761	76	0.811594	0.588235	0.576271	0.
	541667				
762	Point: 51	sepal_length	sepal_width		
	petal_length	petal_width			
763	51	0.869565	0.647059	0.627119	0.
	541667				
764	Point: 53	sepal_length	sepal_width		
	petal_length	petal_width			
765	53	0.855072	0.617647	0.661017	0.
	583333				
766	Point: 87	sepal_length	sepal_width		
	petal_length	petal_width			
767	87	0.826087	0.617647	0.627119	0.
	583333				
768	Cluster 85:				
769	9 points:				
770	Point: 17	sepal_length	sepal_width		
	petal_length	petal_width			
771	17	0.637681	0.852941	0.050847	0
	.125				
772	Point: 19	sepal_length	sepal_width		
	petal_length	petal_width			
773	19	0.681159	0.823529	0.118644	0.
	083333				
774	Point: 11	sepal_length	sepal_width		
	petal_length	petal_width			
775	11	0.637681	0.794118	0.084746	0.
	041667				
776	Point: 49	sepal_length	sepal_width		
	petal_length	petal_width			
777	49	0.623188	0.794118	0.084746	0.
	041667				
778	Point: 20	sepal_length	sepal_width		
	petal_length	petal_width			
779	20	0.594203	0.823529	0.084746	0.
	083333				
780	Point: 47	sepal_length	sepal_width		
	petal_length	petal_width			
781	47	0.594203	0.823529	0.101695	0.
	041667				
782	Point: 22	sepal_length	sepal_width		

```
782 petal_length  petal_width
783 22          0.594203    0.794118    0.084746    0
     .125
784 Point: 6      sepal_length  sepal_width  petal_length
           petal_width
785 6          0.637681    0.852941    0.118644    0.
     125
786 Point: 45     sepal_length  sepal_width
           petal_length  petal_width
787 45         0.594203    0.823529    0.152542    0
     .125
788 Cluster 86:
789 2 points:
790 Point: 112     sepal_length  sepal_width
           petal_length  petal_width
791 112        0.782609    0.5          0.728814
     0.75
792 Point: 147     sepal_length  sepal_width
           petal_length  petal_width
793 147        0.768116    0.441176    0.677966
     0.75
794 Cluster 87:
795 4 points:
796 Point: 124     sepal_length  sepal_width
           petal_length  petal_width
797 124        0.768116    0.5          0.661017    0.
     708333
798 Point: 127     sepal_length  sepal_width
           petal_length  petal_width
799 127        0.753623    0.529412    0.644068    0.
     708333
800 Point: 112     sepal_length  sepal_width
           petal_length  petal_width
801 112        0.782609    0.5          0.728814
     0.75
802 Point: 147     sepal_length  sepal_width
           petal_length  petal_width
803 147        0.768116    0.441176    0.677966
     0.75
804 Cluster 88:
805 9 points:
```

```
806 Point: 72      sepal_length  sepal_width
          petal_length  petal_width
807 72      0.73913      0.529412      0.508475
          0.5
808 Point: 75      sepal_length  sepal_width
          petal_length  petal_width
809 75      0.782609      0.558824      0.559322
          0.5
810 Point: 98      sepal_length  sepal_width
          petal_length  petal_width
811 98      0.753623      0.558824      0.559322
          0.5
812 Point: 89      sepal_length  sepal_width
          petal_length  petal_width
813 89      0.666667      0.588235      0.525424
          0.5
814 Point: 96      sepal_length  sepal_width
          petal_length  petal_width
815 96      0.681159      0.588235      0.542373      0.
          458333
816 Point: 56      sepal_length  sepal_width
          petal_length  petal_width
817 56      0.681159      0.529412      0.59322
          0.5
818 Point: 95      sepal_length  sepal_width
          petal_length  petal_width
819 95      0.666667      0.5      0.542373
          0.5
820 Point: 97      sepal_length  sepal_width
          petal_length  petal_width
821 97      0.681159      0.558824      0.542373
          0.5
822 Point: 100      sepal_length  sepal_width
          petal_length  petal_width
823 100      0.681159      0.529412      0.525424
          0.5
824 Cluster 89:
825 3 points:
826 Point: 99      sepal_length  sepal_width
          petal_length  petal_width
827 99      0.594203      0.441176      0.338983      0.
```

```
827 416667
828 Point: 58      sepal_length  sepal_width
          petal_length  petal_width
829 58      0.565217      0.411765      0.389831      0
          .375
830 Point: 94      sepal_length  sepal_width
          petal_length  petal_width
831 94      0.57971      0.382353      0.389831      0
          .375
832 Cluster 90:
833 4 points:
834 Point: 113      sepal_length  sepal_width
          petal_length  petal_width
835 113      0.84058      0.588235      0.762712      0.
          833333
836 Point: 140      sepal_length  sepal_width
          petal_length  petal_width
837 140      0.855072      0.617647      0.745763      0.
          833333
838 Point: 111      sepal_length  sepal_width
          petal_length  petal_width
839 111      0.797101      0.647059      0.694915      0.
          791667
840 Point: 148      sepal_length  sepal_width
          petal_length  petal_width
841 148      0.797101      0.588235      0.711864      0.
          791667
842 Cluster 91:
843 8 points:
844 Point: 55      sepal_length  sepal_width
          petal_length  petal_width
845 55      0.797101      0.529412      0.610169      0.
          583333
846 Point: 59      sepal_length  sepal_width
          petal_length  petal_width
847 59      0.811594      0.558824      0.610169
          0.5
848 Point: 77      sepal_length  sepal_width
          petal_length  petal_width
849 77      0.84058      0.529412      0.644068      0.
          541667
```

```
850 Point: 66      sepal_length  sepal_width
          petal_length  petal_width
851 66      0.826087      0.617647      0.576271      0.
          541667
852 Point: 76      sepal_length  sepal_width
          petal_length  petal_width
853 76      0.811594      0.588235      0.576271      0.
          541667
854 Point: 51      sepal_length  sepal_width
          petal_length  petal_width
855 51      0.869565      0.647059      0.627119      0.
          541667
856 Point: 53      sepal_length  sepal_width
          petal_length  petal_width
857 53      0.855072      0.617647      0.661017      0.
          583333
858 Point: 87      sepal_length  sepal_width
          petal_length  petal_width
859 87      0.826087      0.617647      0.627119      0.
          583333
860 Cluster 92:
861 3 points:
862 Point: 73      sepal_length  sepal_width
          petal_length  petal_width
863 73      0.768116      0.441176      0.661017      0.
          583333
864 Point: 84      sepal_length  sepal_width
          petal_length  petal_width
865 84      0.724638      0.5      0.694915      0
          .625
866 Point: 134      sepal_length  sepal_width
          petal_length  petal_width
867 134      0.768116      0.529412      0.694915      0.
          583333
868 Cluster 93:
869 18 points:
870 Point: 36      sepal_length  sepal_width
          petal_length  petal_width
871 36      0.57971      0.647059      0.033898      0.
          041667
872 Point: 50      sepal_length  sepal_width
```

872	petal_length	petal_width			
873	50	0.57971	0.676471	0.067797	0.
	041667				
874	Point: 46	sepal_length	sepal_width		
	petal_length	petal_width			
875	46	0.550725	0.588235	0.067797	0.
	083333				
876	Point: 4	sepal_length	sepal_width	petal_length	
	petal_width				
877	4	0.521739	0.617647	0.084746	0.
	041667				
878	Point: 30	sepal_length	sepal_width		
	petal_length	petal_width			
879	30	0.536232	0.647059	0.101695	0.
	041667				
880	Point: 31	sepal_length	sepal_width		
	petal_length	petal_width			
881	31	0.550725	0.617647	0.101695	0.
	041667				
882	Point: 43	sepal_length	sepal_width		
	petal_length	petal_width			
883	43	0.492754	0.647059	0.050847	0.
	041667				
884	Point: 3	sepal_length	sepal_width	petal_length	
	petal_width				
885	3	0.536232	0.647059	0.050847	0.
	041667				
886	Point: 48	sepal_length	sepal_width		
	petal_length	petal_width			
887	48	0.521739	0.647059	0.067797	0.
	041667				
888	Point: 2	sepal_length	sepal_width	petal_length	
	petal_width				
889	2	0.565217	0.588235	0.067797	0.
	041667				
890	Point: 26	sepal_length	sepal_width		
	petal_length	petal_width			
891	26	0.57971	0.588235	0.101695	0.
	041667				
892	Point: 38	sepal_length	sepal_width		
	petal_length	petal_width			

893	38	0.565217	0.617647	0.084746	
		0.0			
894	Point:	35	sepal_length	sepal_width	
		petal_length	petal_width		
895	35	0.565217	0.617647	0.084746	
		0.0			
896	Point:	10	sepal_length	sepal_width	
		petal_length	petal_width		
897	10	0.565217	0.617647	0.084746	
		0.0			
898	Point:	13	sepal_length	sepal_width	
		petal_length	petal_width		
899	13	0.550725	0.588235	0.067797	
		0.0			
900	Point:	7	sepal_length	sepal_width	petal_length
		petal_width			
901	7	0.521739	0.705882	0.067797	0.
		083333			
902	Point:	12	sepal_length	sepal_width	
		petal_length	petal_width		
903	12	0.550725	0.705882	0.101695	0.
		041667			
904	Point:	25	sepal_length	sepal_width	
		petal_length	petal_width		
905	25	0.550725	0.705882	0.152542	0.
		041667			
906	Cluster	94:			
907	11	points:			
908	Point:	83	sepal_length	sepal_width	
		petal_length	petal_width		
909	83	0.695652	0.5	0.491525	0.
		458333			
910	Point:	93	sepal_length	sepal_width	
		petal_length	petal_width		
911	93	0.695652	0.470588	0.508475	0.
		458333			
912	Point:	72	sepal_length	sepal_width	
		petal_length	petal_width		
913	72	0.73913	0.529412	0.508475	
		0.5			
914	Point:	75	sepal_length	sepal_width	

```
914 petal_length  petal_width
915 75          0.782609      0.558824      0.559322
      0.5
916 Point: 98    sepal_length  sepal_width
      petal_length  petal_width
917 98          0.753623      0.558824      0.559322
      0.5
918 Point: 89    sepal_length  sepal_width
      petal_length  petal_width
919 89          0.666667      0.588235      0.525424
      0.5
920 Point: 96    sepal_length  sepal_width
      petal_length  petal_width
921 96          0.681159      0.588235      0.542373      0.
458333
922 Point: 56    sepal_length  sepal_width
      petal_length  petal_width
923 56          0.681159      0.529412      0.59322
      0.5
924 Point: 95    sepal_length  sepal_width
      petal_length  petal_width
925 95          0.666667      0.5           0.542373
      0.5
926 Point: 97    sepal_length  sepal_width
      petal_length  petal_width
927 97          0.681159      0.558824      0.542373
      0.5
928 Point: 100   sepal_length  sepal_width
      petal_length  petal_width
929 100         0.681159      0.529412      0.525424
      0.5
930 Cluster 95:
931 4 points:
932 Point: 44    sepal_length  sepal_width
      petal_length  petal_width
933 44          0.57971       0.735294      0.101695      0.
208333
934 Point: 32    sepal_length  sepal_width
      petal_length  petal_width
935 32          0.637681      0.705882      0.084746      0
.125
```

```
936 Point: 24      sepal_length  sepal_width
          petal_length  petal_width
937 24      0.594203      0.676471      0.118644      0.
          166667
938 Point: 27      sepal_length  sepal_width
          petal_length  petal_width
939 27      0.57971       0.705882      0.101695      0
          .125
940 Cluster 96:
941 2 points:
942 Point: 69      sepal_length  sepal_width
          petal_length  petal_width
943 69      0.753623      0.352941      0.59322       0.
          583333
944 Point: 120     sepal_length  sepal_width
          petal_length  petal_width
945 120     0.724638      0.352941      0.677966      0.
          583333
946 Cluster 97:
947 5 points:
948 Point: 141     sepal_length  sepal_width
          petal_length  petal_width
949 141     0.826087      0.617647      0.779661      0.
          958333
950 Point: 121     sepal_length  sepal_width
          petal_length  petal_width
951 121     0.855072      0.647059      0.79661       0.
          916667
952 Point: 144     sepal_length  sepal_width
          petal_length  petal_width
953 144     0.84058       0.647059      0.830508      0.
          916667
954 Point: 101     sepal_length  sepal_width
          petal_length  petal_width
955 101     0.768116      0.676471      0.847458      1.0
956 Point: 145     sepal_length  sepal_width
          petal_length  petal_width
957 145     0.826087      0.676471      0.79661       1.0
958 Cluster 98:
```

```
959 8 points:  
960 Point: 116      sepal_length  sepal_width  
          petal_length  petal_width  
961 116      0.782609      0.647059      0.728814      0.  
         916667  
962 Point: 137      sepal_length  sepal_width  
          petal_length  petal_width  
963 137      0.768116      0.705882      0.779661      0.  
         958333  
964 Point: 149      sepal_length  sepal_width  
          petal_length  petal_width  
965 149      0.753623      0.705882      0.745763      0.  
         916667  
966 Point: 141      sepal_length  sepal_width  
          petal_length  petal_width  
967 141      0.826087      0.617647      0.779661      0.  
         958333  
968 Point: 121      sepal_length  sepal_width  
          petal_length  petal_width  
969 121      0.855072      0.647059      0.79661      0.  
         916667  
970 Point: 144      sepal_length  sepal_width  
          petal_length  petal_width  
971 144      0.84058      0.647059      0.830508      0.  
         916667  
972 Point: 101      sepal_length  sepal_width  
          petal_length  petal_width  
973 101      0.768116      0.676471      0.847458  
          1.0  
974 Point: 145      sepal_length  sepal_width  
          petal_length  petal_width  
975 145      0.826087      0.676471      0.79661  
          1.0  
976 Cluster 99:  
977 3 points:  
978 Point: 15      sepal_length  sepal_width  
          petal_length  petal_width  
979 15      0.695652      0.882353      0.033898      0.  
         041667  
980 Point: 33      sepal_length  sepal_width  
          petal_length  petal_width
```

981	33	0.608696	0.911765	0.084746	
		0.0			
982	Point: 34	sepal_length	sepal_width		
		petal_length	petal_width		
983	34	0.652174	0.941176	0.067797	0.
		041667			
984	Cluster 100:				
985	12 points:				
986	Point: 91	sepal_length	sepal_width		
		petal_length	petal_width		
987	91	0.652174	0.470588	0.576271	0.
		458333			
988	Point: 83	sepal_length	sepal_width		
		petal_length	petal_width		
989	83	0.695652	0.5	0.491525	0.
		458333			
990	Point: 93	sepal_length	sepal_width		
		petal_length	petal_width		
991	93	0.695652	0.470588	0.508475	0.
		458333			
992	Point: 72	sepal_length	sepal_width		
		petal_length	petal_width		
993	72	0.73913	0.529412	0.508475	
		0.5			
994	Point: 75	sepal_length	sepal_width		
		petal_length	petal_width		
995	75	0.782609	0.558824	0.559322	
		0.5			
996	Point: 98	sepal_length	sepal_width		
		petal_length	petal_width		
997	98	0.753623	0.558824	0.559322	
		0.5			
998	Point: 89	sepal_length	sepal_width		
		petal_length	petal_width		
999	89	0.666667	0.588235	0.525424	
		0.5			
1000	Point: 96	sepal_length	sepal_width		
		petal_length	petal_width		
1001	96	0.681159	0.588235	0.542373	0.
		458333			
1002	Point: 56	sepal_length	sepal_width		

		petal_length	petal_width		
1002					
1003	56	0.681159	0.529412	0.59322	
		0.5			
1004	Point: 95	sepal_length	sepal_width		
		petal_length	petal_width		
1005	95	0.666667	0.5	0.542373	
		0.5			
1006	Point: 97	sepal_length	sepal_width		
		petal_length	petal_width		
1007	97	0.681159	0.558824	0.542373	
		0.5			
1008	Point: 100	sepal_length	sepal_width		
		petal_length	petal_width		
1009	100	0.681159	0.529412	0.525424	
		0.5			
1010	Cluster 101:				
1011	28 points:				
1012	Point: 21	sepal_length	sepal_width		
		petal_length	petal_width		
1013	21	0.637681	0.705882	0.118644	0.
		041667			
1014	Point: 37	sepal_length	sepal_width		
		petal_length	petal_width		
1015	37	0.652174	0.735294	0.050847	0.
		041667			
1016	Point: 5	sepal_length	sepal_width	petal_length	
		petal_width			
1017	5	0.57971	0.764706	0.067797	0.
		041667			
1018	Point: 18	sepal_length	sepal_width		
		petal_length	petal_width		
1019	18	0.594203	0.735294	0.067797	0.
		083333			
1020	Point: 41	sepal_length	sepal_width		
		petal_length	petal_width		
1021	41	0.57971	0.735294	0.050847	0.
		083333			
1022	Point: 1	sepal_length	sepal_width	petal_length	
		petal_width			
1023	1	0.594203	0.735294	0.067797	0.
		041667			

1024	Point:	28	sepal_length	sepal_width	
			petal_length	petal_width	
1025	28	0.608696	0.735294	0.084746	0.
		041667			
1026	Point:	29	sepal_length	sepal_width	
			petal_length	petal_width	
1027	29	0.608696	0.705882	0.067797	0.
		041667			
1028	Point:	8	sepal_length	sepal_width	petal_length
			petal_width		
1029	8	0.57971	0.705882	0.084746	0.
		041667			
1030	Point:	40	sepal_length	sepal_width	
			petal_length	petal_width	
1031	40	0.594203	0.705882	0.084746	0.
		041667			
1032	Point:	36	sepal_length	sepal_width	
			petal_length	petal_width	
1033	36	0.57971	0.647059	0.033898	0.
		041667			
1034	Point:	50	sepal_length	sepal_width	
			petal_length	petal_width	
1035	50	0.57971	0.676471	0.067797	0.
		041667			
1036	Point:	46	sepal_length	sepal_width	
			petal_length	petal_width	
1037	46	0.550725	0.588235	0.067797	0.
		083333			
1038	Point:	4	sepal_length	sepal_width	petal_length
			petal_width		
1039	4	0.521739	0.617647	0.084746	0.
		041667			
1040	Point:	30	sepal_length	sepal_width	
			petal_length	petal_width	
1041	30	0.536232	0.647059	0.101695	0.
		041667			
1042	Point:	31	sepal_length	sepal_width	
			petal_length	petal_width	
1043	31	0.550725	0.617647	0.101695	0.
		041667			
1044	Point:	43	sepal_length	sepal_width	

	petal_length	petal_width			
1044					
1045	43	0.492754	0.647059	0.050847	0.
	041667				
1046	Point: 3	sepal_length	sepal_width	petal_length	
		petal_width			
1047	3	0.536232	0.647059	0.050847	0.
	041667				
1048	Point: 48	sepal_length	sepal_width		
		petal_length	petal_width		
1049	48	0.521739	0.647059	0.067797	0.
	041667				
1050	Point: 2	sepal_length	sepal_width	petal_length	
		petal_width			
1051	2	0.565217	0.588235	0.067797	0.
	041667				
1052	Point: 26	sepal_length	sepal_width		
		petal_length	petal_width		
1053	26	0.57971	0.588235	0.101695	0.
	041667				
1054	Point: 38	sepal_length	sepal_width		
		petal_length	petal_width		
1055	38	0.565217	0.617647	0.084746	
		0.0			
1056	Point: 35	sepal_length	sepal_width		
		petal_length	petal_width		
1057	35	0.565217	0.617647	0.084746	
		0.0			
1058	Point: 10	sepal_length	sepal_width		
		petal_length	petal_width		
1059	10	0.565217	0.617647	0.084746	
		0.0			
1060	Point: 13	sepal_length	sepal_width		
		petal_length	petal_width		
1061	13	0.550725	0.588235	0.067797	
		0.0			
1062	Point: 7	sepal_length	sepal_width	petal_length	
		petal_width			
1063	7	0.521739	0.705882	0.067797	0.
	083333				
1064	Point: 12	sepal_length	sepal_width		
		petal_length	petal_width		

1065	12	0.550725	0.705882	0.101695	0.
	041667				
1066	Point: 25	sepal_length	sepal_width		
	petal_length	petal_width			
1067	25	0.550725	0.705882	0.152542	0.
	041667				
1068	Cluster 102:				
1069	13 points:				
1070	Point: 68	sepal_length	sepal_width		
	petal_length	petal_width			
1071	68	0.695652	0.5	0.525424	
	0.375				
1072	Point: 91	sepal_length	sepal_width		
	petal_length	petal_width			
1073	91	0.652174	0.470588	0.576271	0.
	458333				
1074	Point: 83	sepal_length	sepal_width		
	petal_length	petal_width			
1075	83	0.695652	0.5	0.491525	0.
	458333				
1076	Point: 93	sepal_length	sepal_width		
	petal_length	petal_width			
1077	93	0.695652	0.470588	0.508475	0.
	458333				
1078	Point: 72	sepal_length	sepal_width		
	petal_length	petal_width			
1079	72	0.73913	0.529412	0.508475	
	0.5				
1080	Point: 75	sepal_length	sepal_width		
	petal_length	petal_width			
1081	75	0.782609	0.558824	0.559322	
	0.5				
1082	Point: 98	sepal_length	sepal_width		
	petal_length	petal_width			
1083	98	0.753623	0.558824	0.559322	
	0.5				
1084	Point: 89	sepal_length	sepal_width		
	petal_length	petal_width			
1085	89	0.666667	0.588235	0.525424	
	0.5				
1086	Point: 96	sepal_length	sepal_width		

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1086 petal_length  petal_width
1087 96      0.681159      0.588235      0.542373      0.
        458333
1088 Point: 56      sepal_length  sepal_width
            petal_length  petal_width
1089 56      0.681159      0.529412      0.59322
            0.5
1090 Point: 95      sepal_length  sepal_width
            petal_length  petal_width
1091 95      0.666667      0.5      0.542373
            0.5
1092 Point: 97      sepal_length  sepal_width
            petal_length  petal_width
1093 97      0.681159      0.558824      0.542373
            0.5
1094 Point: 100      sepal_length  sepal_width
            petal_length  petal_width
1095 100      0.681159      0.529412      0.525424
            0.5
1096 Cluster 103:
1097 5 points:
1098 Point: 125      sepal_length  sepal_width
            petal_length  petal_width
1099 125      0.826087      0.676471      0.79661      0.
        833333
1100 Point: 113      sepal_length  sepal_width
            petal_length  petal_width
1101 113      0.84058      0.588235      0.762712      0.
        833333
1102 Point: 140      sepal_length  sepal_width
            petal_length  petal_width
1103 140      0.855072      0.617647      0.745763      0.
        833333
1104 Point: 111      sepal_length  sepal_width
            petal_length  petal_width
1105 111      0.797101      0.647059      0.694915      0.
        791667
1106 Point: 148      sepal_length  sepal_width
            petal_length  petal_width
1107 148      0.797101      0.588235      0.711864      0.
        791667

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1108 Cluster 104:  
1109 8 points:  
1110 Point: 114      sepal_length  sepal_width  
           petal_length  petal_width  
1111 114      0.681159      0.441176      0.677966      0.  
       791667  
1112 Point: 143      sepal_length  sepal_width  
           petal_length  petal_width  
1113 143      0.695652      0.5      0.694915  
       0.75  
1114 Point: 102      sepal_length  sepal_width  
           petal_length  petal_width  
1115 102      0.695652      0.5      0.694915  
       0.75  
1116 Point: 122      sepal_length  sepal_width  
           petal_length  petal_width  
1117 122      0.666667      0.529412      0.661017      0.  
       791667  
1118 Point: 124      sepal_length  sepal_width  
           petal_length  petal_width  
1119 124      0.768116      0.5      0.661017      0.  
       708333  
1120 Point: 127      sepal_length  sepal_width  
           petal_length  petal_width  
1121 127      0.753623      0.529412      0.644068      0.  
       708333  
1122 Point: 112      sepal_length  sepal_width  
           petal_length  petal_width  
1123 112      0.782609      0.5      0.728814  
       0.75  
1124 Point: 147      sepal_length  sepal_width  
           petal_length  petal_width  
1125 147      0.768116      0.441176      0.677966  
       0.75  
1126 Cluster 105:  
1127 2 points:  
1128 Point: 118      sepal_length  sepal_width  
           petal_length  petal_width  
1129 118      0.971014      0.823529      0.966102  
       0.875  
1130 Point: 132      sepal_length  sepal_width
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1130 petal_length  petal_width
1131 132          1.0      0.823529      0.915254      0.
    791667
1132 Cluster 106:
1133 2 points:
1134 Point: 60      sepal_length  sepal_width
            petal_length  petal_width
1135 60          0.608696      0.5      0.491525      0.
    541667
1136 Point: 65      sepal_length  sepal_width
            petal_length  petal_width
1137 65          0.666667      0.558824      0.440678
            0.5
1138 Cluster 107:
1139 8 points:
1140 Point: 105     sepal_length  sepal_width
            petal_length  petal_width
1141 105         0.797101      0.588235      0.813559
            0.875
1142 Point: 129     sepal_length  sepal_width
            petal_length  petal_width
1143 129         0.782609      0.529412      0.779661      0.
    833333
1144 Point: 133     sepal_length  sepal_width
            petal_length  petal_width
1145 133         0.782609      0.529412      0.779661
            0.875
1146 Point: 125     sepal_length  sepal_width
            petal_length  petal_width
1147 125         0.826087      0.676471      0.79661      0.
    833333
1148 Point: 113     sepal_length  sepal_width
            petal_length  petal_width
1149 113         0.84058       0.588235      0.762712      0.
    833333
1150 Point: 140     sepal_length  sepal_width
            petal_length  petal_width
1151 140         0.855072      0.617647      0.745763      0.
    833333
1152 Point: 111     sepal_length  sepal_width
            petal_length  petal_width
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1153	111	0.797101	0.647059	0.694915	0.
	791667				
1154	Point: 148	sepal_length	sepal_width		
	petal_length	petal_width			
1155	148	0.797101	0.588235	0.711864	0.
	791667				
1156	Cluster 108:				
1157	9 points:				
1158	Point: 103	sepal_length	sepal_width		
	petal_length	petal_width			
1159	103	0.884058	0.588235	0.830508	0.
	833333				
1160	Point: 105	sepal_length	sepal_width		
	petal_length	petal_width			
1161	105	0.797101	0.588235	0.813559	
	0.875				
1162	Point: 129	sepal_length	sepal_width		
	petal_length	petal_width			
1163	129	0.782609	0.529412	0.779661	0.
	833333				
1164	Point: 133	sepal_length	sepal_width		
	petal_length	petal_width			
1165	133	0.782609	0.529412	0.779661	
	0.875				
1166	Point: 125	sepal_length	sepal_width		
	petal_length	petal_width			
1167	125	0.826087	0.676471	0.79661	0.
	833333				
1168	Point: 113	sepal_length	sepal_width		
	petal_length	petal_width			
1169	113	0.84058	0.588235	0.762712	0.
	833333				
1170	Point: 140	sepal_length	sepal_width		
	petal_length	petal_width			
1171	140	0.855072	0.617647	0.745763	0.
	833333				
1172	Point: 111	sepal_length	sepal_width		
	petal_length	petal_width			
1173	111	0.797101	0.647059	0.694915	0.
	791667				
1174	Point: 148	sepal_length	sepal_width		

	petal_length	petal_width			
1174					
1175	148	0.797101	0.588235	0.711864	0.
	791667				
1176	Cluster 109:				
1177	12 points:				
1178	Point: 17	sepal_length	sepal_width		
	petal_length	petal_width			
1179	17	0.637681	0.852941	0.050847	
	0.125				
1180	Point: 19	sepal_length	sepal_width		
	petal_length	petal_width			
1181	19	0.681159	0.823529	0.118644	0.
	083333				
1182	Point: 11	sepal_length	sepal_width		
	petal_length	petal_width			
1183	11	0.637681	0.794118	0.084746	0.
	041667				
1184	Point: 49	sepal_length	sepal_width		
	petal_length	petal_width			
1185	49	0.623188	0.794118	0.084746	0.
	041667				
1186	Point: 20	sepal_length	sepal_width		
	petal_length	petal_width			
1187	20	0.594203	0.823529	0.084746	0.
	083333				
1188	Point: 47	sepal_length	sepal_width		
	petal_length	petal_width			
1189	47	0.594203	0.823529	0.101695	0.
	041667				
1190	Point: 22	sepal_length	sepal_width		
	petal_length	petal_width			
1191	22	0.594203	0.794118	0.084746	
	0.125				
1192	Point: 6	sepal_length	sepal_width	petal_length	
	petal_width				
1193	6	0.637681	0.852941	0.118644	0
	.125				
1194	Point: 45	sepal_length	sepal_width		
	petal_length	petal_width			
1195	45	0.594203	0.823529	0.152542	
	0.125				

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1196 Point: 15      sepal_length  sepal_width
          petal_length  petal_width
1197 15      0.695652      0.882353      0.033898      0.
          041667
1198 Point: 33      sepal_length  sepal_width
          petal_length  petal_width
1199 33      0.608696      0.911765      0.084746
          0.0
1200 Point: 34      sepal_length  sepal_width
          petal_length  petal_width
1201 34      0.652174      0.941176      0.067797      0.
          041667
1202 Cluster 110:
1203 2 points:
1204 Point: 126      sepal_length  sepal_width
          petal_length  petal_width
1205 126      0.898551      0.647059      0.847458      0.
          708333
1206 Point: 130      sepal_length  sepal_width
          petal_length  petal_width
1207 130      0.898551      0.588235      0.813559
          0.625
1208 Cluster 111:
1209 3 points:
1210 Point: 88      sepal_length  sepal_width
          petal_length  petal_width
1211 88      0.768116      0.382353      0.576271
          0.5
1212 Point: 69      sepal_length  sepal_width
          petal_length  petal_width
1213 69      0.753623      0.352941      0.59322      0.
          583333
1214 Point: 120      sepal_length  sepal_width
          petal_length  petal_width
1215 120      0.724638      0.352941      0.677966      0.
          583333
1216 Cluster 112:
1217 4 points:
1218 Point: 108      sepal_length  sepal_width
          petal_length  petal_width
1219 108      0.913043      0.558824      0.898305      0.

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1219 708333
1220 Point: 131      sepal_length  sepal_width
           petal_length  petal_width
1221 131      0.927536      0.529412      0.864407
           0.75
1222 Point: 126      sepal_length  sepal_width
           petal_length  petal_width
1223 126      0.898551      0.647059      0.847458      0.
708333
1224 Point: 130      sepal_length  sepal_width
           petal_length  petal_width
1225 130      0.898551      0.588235      0.813559
           0.625
1226 Cluster 113:
1227 17 points:
1228 Point: 80      sepal_length  sepal_width
           petal_length  petal_width
1229 80      0.681159      0.470588      0.423729
           0.375
1230 Point: 82      sepal_length  sepal_width
           petal_length  petal_width
1231 82      0.652174      0.411765      0.457627
           0.375
1232 Point: 70      sepal_length  sepal_width
           petal_length  petal_width
1233 70      0.666667      0.441176      0.491525      0.
416667
1234 Point: 81      sepal_length  sepal_width
           petal_length  petal_width
1235 81      0.652174      0.411765      0.474576      0.
416667
1236 Point: 68      sepal_length  sepal_width
           petal_length  petal_width
1237 68      0.695652      0.5      0.525424
           0.375
1238 Point: 91      sepal_length  sepal_width
           petal_length  petal_width
1239 91      0.652174      0.470588      0.576271      0.
458333
1240 Point: 83      sepal_length  sepal_width
           petal_length  petal_width
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1241	83	0.695652	0.5	0.491525	0.
	458333				
1242	Point: 93	sepal_length	sepal_width		
	petal_length	petal_width			
1243	93	0.695652	0.470588	0.508475	0.
	458333				
1244	Point: 72	sepal_length	sepal_width		
	petal_length	petal_width			
1245	72	0.73913	0.529412	0.508475	
	0.5				
1246	Point: 75	sepal_length	sepal_width		
	petal_length	petal_width			
1247	75	0.782609	0.558824	0.559322	
	0.5				
1248	Point: 98	sepal_length	sepal_width		
	petal_length	petal_width			
1249	98	0.753623	0.558824	0.559322	
	0.5				
1250	Point: 89	sepal_length	sepal_width		
	petal_length	petal_width			
1251	89	0.666667	0.588235	0.525424	
	0.5				
1252	Point: 96	sepal_length	sepal_width		
	petal_length	petal_width			
1253	96	0.681159	0.588235	0.542373	0.
	458333				
1254	Point: 56	sepal_length	sepal_width		
	petal_length	petal_width			
1255	56	0.681159	0.529412	0.59322	
	0.5				
1256	Point: 95	sepal_length	sepal_width		
	petal_length	petal_width			
1257	95	0.666667	0.5	0.542373	
	0.5				
1258	Point: 97	sepal_length	sepal_width		
	petal_length	petal_width			
1259	97	0.681159	0.558824	0.542373	
	0.5				
1260	Point: 100	sepal_length	sepal_width		
	petal_length	petal_width			
1261	100	0.681159	0.529412	0.525424	

1261	0.5
1262	Cluster 114:
1263	10 points:
1264	Point: 142 sepal_length sepal_width petal_length petal_width
1265	142 0.855072 0.617647 0.694915 0. 916667
1266	Point: 146 sepal_length sepal_width petal_length petal_width
1267	146 0.826087 0.588235 0.711864 0. 916667
1268	Point: 116 sepal_length sepal_width petal_length petal_width
1269	116 0.782609 0.647059 0.728814 0. 916667
1270	Point: 137 sepal_length sepal_width petal_length petal_width
1271	137 0.768116 0.705882 0.779661 0. 958333
1272	Point: 149 sepal_length sepal_width petal_length petal_width
1273	149 0.753623 0.705882 0.745763 0. 916667
1274	Point: 141 sepal_length sepal_width petal_length petal_width
1275	141 0.826087 0.617647 0.779661 0. 958333
1276	Point: 121 sepal_length sepal_width petal_length petal_width
1277	121 0.855072 0.647059 0.79661 0. 916667
1278	Point: 144 sepal_length sepal_width petal_length petal_width
1279	144 0.84058 0.647059 0.830508 0. 916667
1280	Point: 101 sepal_length sepal_width petal_length petal_width
1281	101 0.768116 0.676471 0.847458 1.0
1282	Point: 145 sepal_length sepal_width petal_length petal_width

1283	145	0.826087	0.676471	0.79661
		1.0		
1284	Cluster 115:			
1285	4 points:			
1286	Point: 78	sepal_length petal_length	sepal_width petal_width	
1287	78	0.826087	0.588235	0.677966
		666667		0.
1288	Point: 104	sepal_length petal_length	sepal_width petal_width	
1289	104	0.768116	0.558824	0.779661
		708333		0.
1290	Point: 117	sepal_length petal_length	sepal_width petal_width	
1291	117	0.797101	0.588235	0.762712
		708333		0.
1292	Point: 138	sepal_length petal_length	sepal_width petal_width	
1293	138	0.782609	0.617647	0.762712
		708333		0.
1294	Cluster 116:			
1295	8 points:			
1296	Point: 71	sepal_length petal_length	sepal_width petal_width	
1297	71	0.710145	0.647059	0.644068
		708333		0.
1298	Point: 150	sepal_length petal_length	sepal_width petal_width	
1299	150	0.710145	0.588235	0.694915
		708333		0.
1300	Point: 128	sepal_length petal_length	sepal_width petal_width	
1301	128	0.73913	0.588235	0.661017
		708333		0.
1302	Point: 139	sepal_length petal_length	sepal_width petal_width	
1303	139	0.724638	0.588235	0.644068
		708333		0.
1304	Point: 78	sepal_length petal_length	sepal_width petal_width	
1305	78	0.826087	0.588235	0.677966
				0.

1305	666667				
1306	Point:	104	sepal_length	sepal_width	
		petal_length	petal_width		
1307	104	0.768116	0.558824	0.779661	0.
	708333				
1308	Point:	117	sepal_length	sepal_width	
		petal_length	petal_width		
1309	117	0.797101	0.588235	0.762712	0.
	708333				
1310	Point:	138	sepal_length	sepal_width	
		petal_length	petal_width		
1311	138	0.782609	0.617647	0.762712	0.
	708333				
1312	Cluster	117:			
1313	4	points:			
1314	Point:	135	sepal_length	sepal_width	
		petal_length	petal_width		
1315	135	0.73913	0.470588	0.779661	0.
	541667				
1316	Point:	73	sepal_length	sepal_width	
		petal_length	petal_width		
1317	73	0.768116	0.441176	0.661017	0.
	583333				
1318	Point:	84	sepal_length	sepal_width	
		petal_length	petal_width		
1319	84	0.724638	0.5	0.694915	
	0.625				
1320	Point:	134	sepal_length	sepal_width	
		petal_length	petal_width		
1321	134	0.768116	0.529412	0.694915	0.
	583333				
1322	Cluster	118:			
1323	19	points:			
1324	Point:	54	sepal_length	sepal_width	
		petal_length	petal_width		
1325	54	0.652174	0.382353	0.508475	
	0.5				
1326	Point:	90	sepal_length	sepal_width	
		petal_length	petal_width		
1327	90	0.652174	0.441176	0.508475	
	0.5				

	Point:	sepal_length	sepal_width	petal_length	petal_width	
1328	Point: 80	sepal_length	sepal_width	petal_length	petal_width	
1329	80	0.681159	0.470588	0.423729	0.375	
1330	Point: 82	sepal_length	sepal_width	petal_length	petal_width	
1331	82	0.652174	0.411765	0.457627	0.375	
1332	Point: 70	sepal_length	sepal_width	petal_length	petal_width	
1333	70	0.666667	0.441176	0.491525	0.416667	
1334	Point: 81	sepal_length	sepal_width	petal_length	petal_width	
1335	81	0.652174	0.411765	0.474576	0.416667	
1336	Point: 68	sepal_length	sepal_width	petal_length	petal_width	
1337	68	0.695652	0.5	0.525424	0.375	
1338	Point: 91	sepal_length	sepal_width	petal_length	petal_width	
1339	91	0.652174	0.470588	0.576271	0.458333	
1340	Point: 83	sepal_length	sepal_width	petal_length	petal_width	
1341	83	0.695652	0.5	0.491525	0.458333	
1342	Point: 93	sepal_length	sepal_width	petal_length	petal_width	
1343	93	0.695652	0.470588	0.508475	0.458333	
1344	Point: 72	sepal_length	sepal_width	petal_length	petal_width	
1345	72	0.73913	0.529412	0.508475	0.5	
1346	Point: 75	sepal_length	sepal_width	petal_length	petal_width	
1347	75	0.782609	0.558824	0.559322	0.5	
1348	Point: 98	sepal_length	sepal_width			

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1348 petal_length  petal_width
1349 98          0.753623      0.558824      0.559322
      0.5
1350 Point: 89      sepal_length  sepal_width
           petal_length  petal_width
1351 89          0.666667      0.588235      0.525424
      0.5
1352 Point: 96      sepal_length  sepal_width
           petal_length  petal_width
1353 96          0.681159      0.588235      0.542373      0.
458333
1354 Point: 56      sepal_length  sepal_width
           petal_length  petal_width
1355 56          0.681159      0.529412      0.59322
      0.5
1356 Point: 95      sepal_length  sepal_width
           petal_length  petal_width
1357 95          0.666667      0.5             0.542373
      0.5
1358 Point: 97      sepal_length  sepal_width
           petal_length  petal_width
1359 97          0.681159      0.558824      0.542373
      0.5
1360 Point: 100     sepal_length  sepal_width
           petal_length  petal_width
1361 100         0.681159      0.529412      0.525424
      0.5
1362 Cluster 119:
1363 21 points:
1364 Point: 60      sepal_length  sepal_width
           petal_length  petal_width
1365 60          0.608696      0.5             0.491525      0.
541667
1366 Point: 65      sepal_length  sepal_width
           petal_length  petal_width
1367 65          0.666667      0.558824      0.440678
      0.5
1368 Point: 54      sepal_length  sepal_width
           petal_length  petal_width
1369 54          0.652174      0.382353      0.508475
      0.5
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1370	Point:	90	sepal_length	sepal_width	
			petal_length	petal_width	
1371	90	0.652174	0.441176	0.508475	
			0.5		
1372	Point:	80	sepal_length	sepal_width	
			petal_length	petal_width	
1373	80	0.681159	0.470588	0.423729	
			0.375		
1374	Point:	82	sepal_length	sepal_width	
			petal_length	petal_width	
1375	82	0.652174	0.411765	0.457627	
			0.375		
1376	Point:	70	sepal_length	sepal_width	
			petal_length	petal_width	
1377	70	0.666667	0.441176	0.491525	0.
			416667		
1378	Point:	81	sepal_length	sepal_width	
			petal_length	petal_width	
1379	81	0.652174	0.411765	0.474576	0.
			416667		
1380	Point:	68	sepal_length	sepal_width	
			petal_length	petal_width	
1381	68	0.695652	0.5	0.525424	
			0.375		
1382	Point:	91	sepal_length	sepal_width	
			petal_length	petal_width	
1383	91	0.652174	0.470588	0.576271	0.
			458333		
1384	Point:	83	sepal_length	sepal_width	
			petal_length	petal_width	
1385	83	0.695652	0.5	0.491525	0.
			458333		
1386	Point:	93	sepal_length	sepal_width	
			petal_length	petal_width	
1387	93	0.695652	0.470588	0.508475	0.
			458333		
1388	Point:	72	sepal_length	sepal_width	
			petal_length	petal_width	
1389	72	0.73913	0.529412	0.508475	
			0.5		
1390	Point:	75	sepal_length	sepal_width	

		petal_length	petal_width		
1390					
1391	75	0.782609	0.558824	0.559322	
		0.5			
1392	Point: 98	sepal_length	sepal_width		
		petal_length	petal_width		
1393	98	0.753623	0.558824	0.559322	
		0.5			
1394	Point: 89	sepal_length	sepal_width		
		petal_length	petal_width		
1395	89	0.666667	0.588235	0.525424	
		0.5			
1396	Point: 96	sepal_length	sepal_width		
		petal_length	petal_width		
1397	96	0.681159	0.588235	0.542373	0.
		458333			
1398	Point: 56	sepal_length	sepal_width		
		petal_length	petal_width		
1399	56	0.681159	0.529412	0.59322	
		0.5			
1400	Point: 95	sepal_length	sepal_width		
		petal_length	petal_width		
1401	95	0.666667	0.5	0.542373	
		0.5			
1402	Point: 97	sepal_length	sepal_width		
		petal_length	petal_width		
1403	97	0.681159	0.558824	0.542373	
		0.5			
1404	Point: 100	sepal_length	sepal_width		
		petal_length	petal_width		
1405	100	0.681159	0.529412	0.525424	
		0.5			
1406	Cluster 120:				
1407	9 points:				
1408	Point: 52	sepal_length	sepal_width		
		petal_length	petal_width		
1409	52	0.782609	0.647059	0.59322	0.
		583333			
1410	Point: 57	sepal_length	sepal_width		
		petal_length	petal_width		
1411	57	0.768116	0.676471	0.627119	
		0.625			

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1412 Point: 86      sepal_length  sepal_width
          petal_length  petal_width
1413 86      0.724638      0.705882      0.59322
          0.625
1414 Point: 67      sepal_length  sepal_width
          petal_length  petal_width
1415 67      0.666667      0.588235      0.59322      0.
          583333
1416 Point: 85      sepal_length  sepal_width
          petal_length  petal_width
1417 85      0.637681      0.588235      0.59322      0.
          583333
1418 Point: 62      sepal_length  sepal_width
          petal_length  petal_width
1419 62      0.710145      0.588235      0.542373      0.
          583333
1420 Point: 79      sepal_length  sepal_width
          petal_length  petal_width
1421 79      0.724638      0.558824      0.59322      0.
          583333
1422 Point: 64      sepal_length  sepal_width
          petal_length  petal_width
1423 64      0.73913      0.558824      0.627119      0.
          541667
1424 Point: 92      sepal_length  sepal_width
          petal_length  petal_width
1425 92      0.73913      0.588235      0.610169      0.
          541667
1426 Cluster 121:
1427 17 points:
1428 Point: 55      sepal_length  sepal_width
          petal_length  petal_width
1429 55      0.797101      0.529412      0.610169      0.
          583333
1430 Point: 59      sepal_length  sepal_width
          petal_length  petal_width
1431 59      0.811594      0.558824      0.610169
          0.5
1432 Point: 77      sepal_length  sepal_width
          petal_length  petal_width
1433 77      0.84058      0.529412      0.644068      0.

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1433	541667				
1434	Point:	66	sepal_length	sepal_width	
		petal_length	petal_width		
1435	66	0.826087	0.617647	0.576271	0.
	541667				
1436	Point:	76	sepal_length	sepal_width	
		petal_length	petal_width		
1437	76	0.811594	0.588235	0.576271	0.
	541667				
1438	Point:	51	sepal_length	sepal_width	
		petal_length	petal_width		
1439	51	0.869565	0.647059	0.627119	0.
	541667				
1440	Point:	53	sepal_length	sepal_width	
		petal_length	petal_width		
1441	53	0.855072	0.617647	0.661017	0.
	583333				
1442	Point:	87	sepal_length	sepal_width	
		petal_length	petal_width		
1443	87	0.826087	0.617647	0.627119	0.
	583333				
1444	Point:	52	sepal_length	sepal_width	
		petal_length	petal_width		
1445	52	0.782609	0.647059	0.59322	0.
	583333				
1446	Point:	57	sepal_length	sepal_width	
		petal_length	petal_width		
1447	57	0.768116	0.676471	0.627119	
	0.625				
1448	Point:	86	sepal_length	sepal_width	
		petal_length	petal_width		
1449	86	0.724638	0.705882	0.59322	
	0.625				
1450	Point:	67	sepal_length	sepal_width	
		petal_length	petal_width		
1451	67	0.666667	0.588235	0.59322	0.
	583333				
1452	Point:	85	sepal_length	sepal_width	
		petal_length	petal_width		
1453	85	0.637681	0.588235	0.59322	0.
	583333				

		sepal_length	sepal_width		
1454	Point: 62	sepal_length	sepal_width		
		petal_length	petal_width		
1455	62	0.710145	0.588235	0.542373	0.
		583333			
1456	Point: 79	sepal_length	sepal_width		
		petal_length	petal_width		
1457	79	0.724638	0.558824	0.59322	0.
		583333			
1458	Point: 64	sepal_length	sepal_width		
		petal_length	petal_width		
1459	64	0.73913	0.558824	0.627119	0.
		541667			
1460	Point: 92	sepal_length	sepal_width		
		petal_length	petal_width		
1461	92	0.73913	0.588235	0.610169	0.
		541667			
1462	Cluster 122:				
1463	19 points:				
1464	Point: 103	sepal_length	sepal_width		
		petal_length	petal_width		
1465	103	0.884058	0.588235	0.830508	0.
		833333			
1466	Point: 105	sepal_length	sepal_width		
		petal_length	petal_width		
1467	105	0.797101	0.588235	0.813559	
		0.875			
1468	Point: 129	sepal_length	sepal_width		
		petal_length	petal_width		
1469	129	0.782609	0.529412	0.779661	0.
		833333			
1470	Point: 133	sepal_length	sepal_width		
		petal_length	petal_width		
1471	133	0.782609	0.529412	0.779661	
		0.875			
1472	Point: 125	sepal_length	sepal_width		
		petal_length	petal_width		
1473	125	0.826087	0.676471	0.79661	0.
		833333			
1474	Point: 113	sepal_length	sepal_width		
		petal_length	petal_width		
1475	113	0.84058	0.588235	0.762712	0.

1475	833333				
1476	Point: 140	sepal_length	sepal_width		
		petal_length	petal_width		
1477	140	0.855072	0.617647	0.745763	0.
	833333				
1478	Point: 111	sepal_length	sepal_width		
		petal_length	petal_width		
1479	111	0.797101	0.647059	0.694915	0.
	791667				
1480	Point: 148	sepal_length	sepal_width		
		petal_length	petal_width		
1481	148	0.797101	0.588235	0.711864	0.
	791667				
1482	Point: 142	sepal_length	sepal_width		
		petal_length	petal_width		
1483	142	0.855072	0.617647	0.694915	0.
	916667				
1484	Point: 146	sepal_length	sepal_width		
		petal_length	petal_width		
1485	146	0.826087	0.588235	0.711864	0.
	916667				
1486	Point: 116	sepal_length	sepal_width		
		petal_length	petal_width		
1487	116	0.782609	0.647059	0.728814	0.
	916667				
1488	Point: 137	sepal_length	sepal_width		
		petal_length	petal_width		
1489	137	0.768116	0.705882	0.779661	0.
	958333				
1490	Point: 149	sepal_length	sepal_width		
		petal_length	petal_width		
1491	149	0.753623	0.705882	0.745763	0.
	916667				
1492	Point: 141	sepal_length	sepal_width		
		petal_length	petal_width		
1493	141	0.826087	0.617647	0.779661	0.
	958333				
1494	Point: 121	sepal_length	sepal_width		
		petal_length	petal_width		
1495	121	0.855072	0.647059	0.79661	0.
	916667				

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1496 Point: 144      sepal_length  sepal_width
           petal_length  petal_width
1497 144      0.84058      0.647059      0.830508      0.
         916667
1498 Point: 101      sepal_length  sepal_width
           petal_length  petal_width
1499 101      0.768116     0.676471      0.847458
           1.0
1500 Point: 145      sepal_length  sepal_width
           petal_length  petal_width
1501 145      0.826087     0.676471      0.79661
           1.0
1502 Cluster 123:
1503 32 points:
1504 Point: 44      sepal_length  sepal_width
           petal_length  petal_width
1505 44      0.57971      0.735294      0.101695      0.
         208333
1506 Point: 32      sepal_length  sepal_width
           petal_length  petal_width
1507 32      0.637681     0.705882      0.084746
           0.125
1508 Point: 24      sepal_length  sepal_width
           petal_length  petal_width
1509 24      0.594203     0.676471      0.118644      0.
         166667
1510 Point: 27      sepal_length  sepal_width
           petal_length  petal_width
1511 27      0.57971      0.705882      0.101695
           0.125
1512 Point: 21      sepal_length  sepal_width
           petal_length  petal_width
1513 21      0.637681     0.705882      0.118644      0.
         041667
1514 Point: 37      sepal_length  sepal_width
           petal_length  petal_width
1515 37      0.652174     0.735294      0.050847      0.
         041667
1516 Point: 5       sepal_length  sepal_width  petal_length
           petal_width
1517 5       0.57971      0.764706      0.067797      0.

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1517	041667				
1518	Point:	18	sepal_length	sepal_width	
		petal_length	petal_width		
1519	18	0.594203	0.735294	0.067797	0.
	083333				
1520	Point:	41	sepal_length	sepal_width	
		petal_length	petal_width		
1521	41	0.57971	0.735294	0.050847	0.
	083333				
1522	Point:	1	sepal_length	sepal_width	petal_length
		petal_width			
1523	1	0.594203	0.735294	0.067797	0.
	041667				
1524	Point:	28	sepal_length	sepal_width	
		petal_length	petal_width		
1525	28	0.608696	0.735294	0.084746	0.
	041667				
1526	Point:	29	sepal_length	sepal_width	
		petal_length	petal_width		
1527	29	0.608696	0.705882	0.067797	0.
	041667				
1528	Point:	8	sepal_length	sepal_width	petal_length
		petal_width			
1529	8	0.57971	0.705882	0.084746	0.
	041667				
1530	Point:	40	sepal_length	sepal_width	
		petal_length	petal_width		
1531	40	0.594203	0.705882	0.084746	0.
	041667				
1532	Point:	36	sepal_length	sepal_width	
		petal_length	petal_width		
1533	36	0.57971	0.647059	0.033898	0.
	041667				
1534	Point:	50	sepal_length	sepal_width	
		petal_length	petal_width		
1535	50	0.57971	0.676471	0.067797	0.
	041667				
1536	Point:	46	sepal_length	sepal_width	
		petal_length	petal_width		
1537	46	0.550725	0.588235	0.067797	0.
	083333				

1538	Point: 4	sepal_length	sepal_width	petal_length	
		petal_width			
1539	4	0.521739	0.617647	0.084746	0.
		041667			
1540	Point: 30	sepal_length	sepal_width		
		petal_length	petal_width		
1541	30	0.536232	0.647059	0.101695	0.
		041667			
1542	Point: 31	sepal_length	sepal_width		
		petal_length	petal_width		
1543	31	0.550725	0.617647	0.101695	0.
		041667			
1544	Point: 43	sepal_length	sepal_width		
		petal_length	petal_width		
1545	43	0.492754	0.647059	0.050847	0.
		041667			
1546	Point: 3	sepal_length	sepal_width	petal_length	
		petal_width			
1547	3	0.536232	0.647059	0.050847	0.
		041667			
1548	Point: 48	sepal_length	sepal_width		
		petal_length	petal_width		
1549	48	0.521739	0.647059	0.067797	0.
		041667			
1550	Point: 2	sepal_length	sepal_width	petal_length	
		petal_width			
1551	2	0.565217	0.588235	0.067797	0.
		041667			
1552	Point: 26	sepal_length	sepal_width		
		petal_length	petal_width		
1553	26	0.57971	0.588235	0.101695	0.
		041667			
1554	Point: 38	sepal_length	sepal_width		
		petal_length	petal_width		
1555	38	0.565217	0.617647	0.084746	
		0.0			
1556	Point: 35	sepal_length	sepal_width		
		petal_length	petal_width		
1557	35	0.565217	0.617647	0.084746	
		0.0			
1558	Point: 10	sepal_length	sepal_width		

```
1558 petal_length  petal_width
1559 10      0.565217      0.617647      0.084746
          0.0
1560 Point: 13      sepal_length  sepal_width
          petal_length  petal_width
1561 13      0.550725      0.588235      0.067797
          0.0
1562 Point: 7      sepal_length  sepal_width  petal_length
          petal_width
1563 7      0.521739      0.705882      0.067797      0.
          083333
1564 Point: 12      sepal_length  sepal_width
          petal_length  petal_width
1565 12      0.550725      0.705882      0.101695      0.
          041667
1566 Point: 25      sepal_length  sepal_width
          petal_length  petal_width
1567 25      0.550725      0.705882      0.152542      0.
          041667
1568 Cluster 124:
1569 16 points:
1570 Point: 114      sepal_length  sepal_width
          petal_length  petal_width
1571 114      0.681159      0.441176      0.677966      0.
          791667
1572 Point: 143      sepal_length  sepal_width
          petal_length  petal_width
1573 143      0.695652      0.5      0.694915
          0.75
1574 Point: 102      sepal_length  sepal_width
          petal_length  petal_width
1575 102      0.695652      0.5      0.694915
          0.75
1576 Point: 122      sepal_length  sepal_width
          petal_length  petal_width
1577 122      0.666667      0.529412      0.661017      0.
          791667
1578 Point: 124      sepal_length  sepal_width
          petal_length  petal_width
1579 124      0.768116      0.5      0.661017      0.
          708333
```

1580	Point: 127	sepal_length	sepal_width		
		petal_length	petal_width		
1581	127	0.753623	0.529412	0.644068	0.
	708333				
1582	Point: 112	sepal_length	sepal_width		
		petal_length	petal_width		
1583	112	0.782609	0.5	0.728814	
		0.75			
1584	Point: 147	sepal_length	sepal_width		
		petal_length	petal_width		
1585	147	0.768116	0.441176	0.677966	
		0.75			
1586	Point: 71	sepal_length	sepal_width		
		petal_length	petal_width		
1587	71	0.710145	0.647059	0.644068	0.
	708333				
1588	Point: 150	sepal_length	sepal_width		
		petal_length	petal_width		
1589	150	0.710145	0.588235	0.694915	0.
	708333				
1590	Point: 128	sepal_length	sepal_width		
		petal_length	petal_width		
1591	128	0.73913	0.588235	0.661017	0.
	708333				
1592	Point: 139	sepal_length	sepal_width		
		petal_length	petal_width		
1593	139	0.724638	0.588235	0.644068	0.
	708333				
1594	Point: 78	sepal_length	sepal_width		
		petal_length	petal_width		
1595	78	0.826087	0.588235	0.677966	0.
	666667				
1596	Point: 104	sepal_length	sepal_width		
		petal_length	petal_width		
1597	104	0.768116	0.558824	0.779661	0.
	708333				
1598	Point: 117	sepal_length	sepal_width		
		petal_length	petal_width		
1599	117	0.797101	0.588235	0.762712	0.
	708333				
1600	Point: 138	sepal_length	sepal_width		

		petal_length	petal_width		
1600					
1601	138	0.782609	0.617647	0.762712	0.
	708333				
1602	Cluster 125:				
1603	4 points:				
1604	Point: 61	sepal_length petal_length	sepal_width petal_width		
1605	61	0.57971	0.294118	0.423729	0.375
1606	Point: 99	sepal_length petal_length	sepal_width petal_width		
1607	99	0.594203	0.441176	0.338983	0.416667
1608	Point: 58	sepal_length petal_length	sepal_width petal_width		
1609	58	0.565217	0.411765	0.389831	0.375
1610	Point: 94	sepal_length petal_length	sepal_width petal_width		
1611	94	0.57971	0.382353	0.389831	0.375
1612	Cluster 126:				
1613	18 points:				
1614	Point: 74	sepal_length petal_length	sepal_width petal_width		
1615	74	0.73913	0.529412	0.627119	0.458333
1616	Point: 55	sepal_length petal_length	sepal_width petal_width		
1617	55	0.797101	0.529412	0.610169	0.583333
1618	Point: 59	sepal_length petal_length	sepal_width petal_width		
1619	59	0.811594	0.558824	0.610169	0.5
1620	Point: 77	sepal_length petal_length	sepal_width petal_width		
1621	77	0.84058	0.529412	0.644068	0.541667
1622	Point: 66	sepal_length petal_length	sepal_width petal_width		

1623	66	0.826087	0.617647	0.576271	0.
	541667				
1624	Point: 76	sepal_length	sepal_width		
		petal_length	petal_width		
1625	76	0.811594	0.588235	0.576271	0.
	541667				
1626	Point: 51	sepal_length	sepal_width		
		petal_length	petal_width		
1627	51	0.869565	0.647059	0.627119	0.
	541667				
1628	Point: 53	sepal_length	sepal_width		
		petal_length	petal_width		
1629	53	0.855072	0.617647	0.661017	0.
	583333				
1630	Point: 87	sepal_length	sepal_width		
		petal_length	petal_width		
1631	87	0.826087	0.617647	0.627119	0.
	583333				
1632	Point: 52	sepal_length	sepal_width		
		petal_length	petal_width		
1633	52	0.782609	0.647059	0.59322	0.
	583333				
1634	Point: 57	sepal_length	sepal_width		
		petal_length	petal_width		
1635	57	0.768116	0.676471	0.627119	
	0.625				
1636	Point: 86	sepal_length	sepal_width		
		petal_length	petal_width		
1637	86	0.724638	0.705882	0.59322	
	0.625				
1638	Point: 67	sepal_length	sepal_width		
		petal_length	petal_width		
1639	67	0.666667	0.588235	0.59322	0.
	583333				
1640	Point: 85	sepal_length	sepal_width		
		petal_length	petal_width		
1641	85	0.637681	0.588235	0.59322	0.
	583333				
1642	Point: 62	sepal_length	sepal_width		
		petal_length	petal_width		
1643	62	0.710145	0.588235	0.542373	0.

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1643 583333
1644 Point: 79      sepal_length  sepal_width
          petal_length  petal_width
1645 79      0.724638      0.558824      0.59322      0.
583333
1646 Point: 64      sepal_length  sepal_width
          petal_length  petal_width
1647 64      0.73913       0.558824      0.627119      0.
541667
1648 Point: 92      sepal_length  sepal_width
          petal_length  petal_width
1649 92      0.73913       0.588235      0.610169      0.
541667
1650 Cluster 127:
1651 3 points:
1652 Point: 136      sepal_length  sepal_width
          petal_length  petal_width
1653 136      0.971014      0.588235      0.864407      0.
916667
1654 Point: 106      sepal_length  sepal_width
          petal_length  petal_width
1655 106      0.956522      0.588235      0.949153      0.
833333
1656 Point: 123      sepal_length  sepal_width
          petal_length  petal_width
1657 123      0.971014      0.529412      0.966102      0.
791667
1658 Cluster 128:
1659 4 points:
1660 Point: 119      sepal_length  sepal_width
          petal_length  petal_width
1661 119      0.971014      0.470588      1.0      0.
916667
1662 Point: 136      sepal_length  sepal_width
          petal_length  petal_width
1663 136      0.971014      0.588235      0.864407      0.
916667
1664 Point: 106      sepal_length  sepal_width
          petal_length  petal_width
1665 106      0.956522      0.588235      0.949153      0.
833333

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1666 Point: 123      sepal_length  sepal_width
           petal_length  petal_width
1667 123      0.971014      0.529412      0.966102      0.
           791667
1668 Cluster 129:
1669 13 points:
1670 Point: 16      sepal_length  sepal_width
           petal_length  petal_width
1671 16      0.681159      1.0      0.084746
           0.125
1672 Point: 17      sepal_length  sepal_width
           petal_length  petal_width
1673 17      0.637681      0.852941      0.050847
           0.125
1674 Point: 19      sepal_length  sepal_width
           petal_length  petal_width
1675 19      0.681159      0.823529      0.118644      0.
           083333
1676 Point: 11      sepal_length  sepal_width
           petal_length  petal_width
1677 11      0.637681      0.794118      0.084746      0.
           041667
1678 Point: 49      sepal_length  sepal_width
           petal_length  petal_width
1679 49      0.623188      0.794118      0.084746      0.
           041667
1680 Point: 20      sepal_length  sepal_width
           petal_length  petal_width
1681 20      0.594203      0.823529      0.084746      0.
           083333
1682 Point: 47      sepal_length  sepal_width
           petal_length  petal_width
1683 47      0.594203      0.823529      0.101695      0.
           041667
1684 Point: 22      sepal_length  sepal_width
           petal_length  petal_width
1685 22      0.594203      0.794118      0.084746
           0.125
1686 Point: 6       sepal_length  sepal_width  petal_length
           petal_width
1687 6       0.637681      0.852941      0.118644      0

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1687 .125
1688 Point: 45      sepal_length  sepal_width
           petal_length  petal_width
1689 45      0.594203      0.823529      0.152542
       0.125
1690 Point: 15      sepal_length  sepal_width
           petal_length  petal_width
1691 15      0.695652      0.882353      0.033898      0.
       041667
1692 Point: 33      sepal_length  sepal_width
           petal_length  petal_width
1693 33      0.608696      0.911765      0.084746
       0.0
1694 Point: 34      sepal_length  sepal_width
           petal_length  petal_width
1695 34      0.652174      0.941176      0.067797      0.
       041667
1696 Cluster 130:
1697 33 points:
1698 Point: 23      sepal_length  sepal_width
           petal_length  petal_width
1699 23      0.521739      0.764706      0.0      0.
       041667
1700 Point: 44      sepal_length  sepal_width
           petal_length  petal_width
1701 44      0.57971      0.735294      0.101695      0.
       208333
1702 Point: 32      sepal_length  sepal_width
           petal_length  petal_width
1703 32      0.637681      0.705882      0.084746
       0.125
1704 Point: 24      sepal_length  sepal_width
           petal_length  petal_width
1705 24      0.594203      0.676471      0.118644      0.
       166667
1706 Point: 27      sepal_length  sepal_width
           petal_length  petal_width
1707 27      0.57971      0.705882      0.101695
       0.125
1708 Point: 21      sepal_length  sepal_width
           petal_length  petal_width
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1709	21	0.637681	0.705882	0.118644	0.
	041667				
1710	Point: 37	sepal_length	sepal_width		
		petal_length	petal_width		
1711	37	0.652174	0.735294	0.050847	0.
	041667				
1712	Point: 5	sepal_length	sepal_width	petal_length	
		petal_width			
1713	5	0.57971	0.764706	0.067797	0.
	041667				
1714	Point: 18	sepal_length	sepal_width		
		petal_length	petal_width		
1715	18	0.594203	0.735294	0.067797	0.
	083333				
1716	Point: 41	sepal_length	sepal_width		
		petal_length	petal_width		
1717	41	0.57971	0.735294	0.050847	0.
	083333				
1718	Point: 1	sepal_length	sepal_width	petal_length	
		petal_width			
1719	1	0.594203	0.735294	0.067797	0.
	041667				
1720	Point: 28	sepal_length	sepal_width		
		petal_length	petal_width		
1721	28	0.608696	0.735294	0.084746	0.
	041667				
1722	Point: 29	sepal_length	sepal_width		
		petal_length	petal_width		
1723	29	0.608696	0.705882	0.067797	0.
	041667				
1724	Point: 8	sepal_length	sepal_width	petal_length	
		petal_width			
1725	8	0.57971	0.705882	0.084746	0.
	041667				
1726	Point: 40	sepal_length	sepal_width		
		petal_length	petal_width		
1727	40	0.594203	0.705882	0.084746	0.
	041667				
1728	Point: 36	sepal_length	sepal_width		
		petal_length	petal_width		
1729	36	0.57971	0.647059	0.033898	0.

1729	041667				
1730	Point:	50	sepal_length	sepal_width	
		petal_length	petal_width		
1731	50	0.57971	0.676471	0.067797	0.
	041667				
1732	Point:	46	sepal_length	sepal_width	
		petal_length	petal_width		
1733	46	0.550725	0.588235	0.067797	0.
	083333				
1734	Point:	4	sepal_length	sepal_width	petal_length
		petal_width			
1735	4	0.521739	0.617647	0.084746	0.
	041667				
1736	Point:	30	sepal_length	sepal_width	
		petal_length	petal_width		
1737	30	0.536232	0.647059	0.101695	0.
	041667				
1738	Point:	31	sepal_length	sepal_width	
		petal_length	petal_width		
1739	31	0.550725	0.617647	0.101695	0.
	041667				
1740	Point:	43	sepal_length	sepal_width	
		petal_length	petal_width		
1741	43	0.492754	0.647059	0.050847	0.
	041667				
1742	Point:	3	sepal_length	sepal_width	petal_length
		petal_width			
1743	3	0.536232	0.647059	0.050847	0.
	041667				
1744	Point:	48	sepal_length	sepal_width	
		petal_length	petal_width		
1745	48	0.521739	0.647059	0.067797	0.
	041667				
1746	Point:	2	sepal_length	sepal_width	petal_length
		petal_width			
1747	2	0.565217	0.588235	0.067797	0.
	041667				
1748	Point:	26	sepal_length	sepal_width	
		petal_length	petal_width		
1749	26	0.57971	0.588235	0.101695	0.
	041667				

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1750 Point: 38      sepal_length  sepal_width
          petal_length  petal_width
1751 38      0.565217      0.617647      0.084746
          0.0
1752 Point: 35      sepal_length  sepal_width
          petal_length  petal_width
1753 35      0.565217      0.617647      0.084746
          0.0
1754 Point: 10      sepal_length  sepal_width
          petal_length  petal_width
1755 10      0.565217      0.617647      0.084746
          0.0
1756 Point: 13      sepal_length  sepal_width
          petal_length  petal_width
1757 13      0.550725      0.588235      0.067797
          0.0
1758 Point: 7       sepal_length  sepal_width  petal_length
          petal_width
1759 7       0.521739      0.705882      0.067797      0.
          083333
1760 Point: 12      sepal_length  sepal_width
          petal_length  petal_width
1761 12      0.550725      0.705882      0.101695      0.
          041667
1762 Point: 25      sepal_length  sepal_width
          petal_length  petal_width
1763 25      0.550725      0.705882      0.152542      0.
          041667
1764 Cluster 131:
1765 22 points:
1766 Point: 135      sepal_length  sepal_width
          petal_length  petal_width
1767 135      0.73913      0.470588      0.779661      0.
          541667
1768 Point: 73       sepal_length  sepal_width
          petal_length  petal_width
1769 73       0.768116      0.441176      0.661017      0.
          583333
1770 Point: 84       sepal_length  sepal_width
          petal_length  petal_width
1771 84       0.724638      0.5           0.694915

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1771	0.625				
1772	Point: 134	sepal_length	sepal_width		
		petal_length	petal_width		
1773	134	0.768116	0.529412	0.694915	0.
		583333			
1774	Point: 74	sepal_length	sepal_width		
		petal_length	petal_width		
1775	74	0.73913	0.529412	0.627119	0.
		458333			
1776	Point: 55	sepal_length	sepal_width		
		petal_length	petal_width		
1777	55	0.797101	0.529412	0.610169	0.
		583333			
1778	Point: 59	sepal_length	sepal_width		
		petal_length	petal_width		
1779	59	0.811594	0.558824	0.610169	
		0.5			
1780	Point: 77	sepal_length	sepal_width		
		petal_length	petal_width		
1781	77	0.84058	0.529412	0.644068	0.
		541667			
1782	Point: 66	sepal_length	sepal_width		
		petal_length	petal_width		
1783	66	0.826087	0.617647	0.576271	0.
		541667			
1784	Point: 76	sepal_length	sepal_width		
		petal_length	petal_width		
1785	76	0.811594	0.588235	0.576271	0.
		541667			
1786	Point: 51	sepal_length	sepal_width		
		petal_length	petal_width		
1787	51	0.869565	0.647059	0.627119	0.
		541667			
1788	Point: 53	sepal_length	sepal_width		
		petal_length	petal_width		
1789	53	0.855072	0.617647	0.661017	0.
		583333			
1790	Point: 87	sepal_length	sepal_width		
		petal_length	petal_width		
1791	87	0.826087	0.617647	0.627119	0.
		583333			

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1792 Point: 52      sepal_length  sepal_width
          petal_length  petal_width
1793 52      0.782609      0.647059      0.59322      0.
      583333
1794 Point: 57      sepal_length  sepal_width
          petal_length  petal_width
1795 57      0.768116      0.676471      0.627119
      0.625
1796 Point: 86      sepal_length  sepal_width
          petal_length  petal_width
1797 86      0.724638      0.705882      0.59322
      0.625
1798 Point: 67      sepal_length  sepal_width
          petal_length  petal_width
1799 67      0.666667      0.588235      0.59322      0.
      583333
1800 Point: 85      sepal_length  sepal_width
          petal_length  petal_width
1801 85      0.637681      0.588235      0.59322      0.
      583333
1802 Point: 62      sepal_length  sepal_width
          petal_length  petal_width
1803 62      0.710145      0.588235      0.542373      0.
      583333
1804 Point: 79      sepal_length  sepal_width
          petal_length  petal_width
1805 79      0.724638      0.558824      0.59322      0.
      583333
1806 Point: 64      sepal_length  sepal_width
          petal_length  petal_width
1807 64      0.73913      0.558824      0.627119      0.
      541667
1808 Point: 92      sepal_length  sepal_width
          petal_length  petal_width
1809 92      0.73913      0.588235      0.610169      0.
      541667
1810 Cluster 132:
1811 25 points:
1812 Point: 88      sepal_length  sepal_width
          petal_length  petal_width
1813 88      0.768116      0.382353      0.576271

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1813	0.5				
1814	Point: 69	sepal_length	sepal_width		
		petal_length	petal_width		
1815	69	0.753623	0.352941	0.59322	0.
	583333				
1816	Point: 120	sepal_length	sepal_width		
		petal_length	petal_width		
1817	120	0.724638	0.352941	0.677966	0.
	583333				
1818	Point: 135	sepal_length	sepal_width		
		petal_length	petal_width		
1819	135	0.73913	0.470588	0.779661	0.
	541667				
1820	Point: 73	sepal_length	sepal_width		
		petal_length	petal_width		
1821	73	0.768116	0.441176	0.661017	0.
	583333				
1822	Point: 84	sepal_length	sepal_width		
		petal_length	petal_width		
1823	84	0.724638	0.5	0.694915	
	0.625				
1824	Point: 134	sepal_length	sepal_width		
		petal_length	petal_width		
1825	134	0.768116	0.529412	0.694915	0.
	583333				
1826	Point: 74	sepal_length	sepal_width		
		petal_length	petal_width		
1827	74	0.73913	0.529412	0.627119	0.
	458333				
1828	Point: 55	sepal_length	sepal_width		
		petal_length	petal_width		
1829	55	0.797101	0.529412	0.610169	0.
	583333				
1830	Point: 59	sepal_length	sepal_width		
		petal_length	petal_width		
1831	59	0.811594	0.558824	0.610169	
	0.5				
1832	Point: 77	sepal_length	sepal_width		
		petal_length	petal_width		
1833	77	0.84058	0.529412	0.644068	0.
	541667				

1834	Point:	66	sepal_length	sepal_width	
			petal_length	petal_width	
1835	66	0.826087	0.617647	0.576271	0.
		541667			
1836	Point:	76	sepal_length	sepal_width	
			petal_length	petal_width	
1837	76	0.811594	0.588235	0.576271	0.
		541667			
1838	Point:	51	sepal_length	sepal_width	
			petal_length	petal_width	
1839	51	0.869565	0.647059	0.627119	0.
		541667			
1840	Point:	53	sepal_length	sepal_width	
			petal_length	petal_width	
1841	53	0.855072	0.617647	0.661017	0.
		583333			
1842	Point:	87	sepal_length	sepal_width	
			petal_length	petal_width	
1843	87	0.826087	0.617647	0.627119	0.
		583333			
1844	Point:	52	sepal_length	sepal_width	
			petal_length	petal_width	
1845	52	0.782609	0.647059	0.59322	0.
		583333			
1846	Point:	57	sepal_length	sepal_width	
			petal_length	petal_width	
1847	57	0.768116	0.676471	0.627119	
		0.625			
1848	Point:	86	sepal_length	sepal_width	
			petal_length	petal_width	
1849	86	0.724638	0.705882	0.59322	
		0.625			
1850	Point:	67	sepal_length	sepal_width	
			petal_length	petal_width	
1851	67	0.666667	0.588235	0.59322	0.
		583333			
1852	Point:	85	sepal_length	sepal_width	
			petal_length	petal_width	
1853	85	0.637681	0.588235	0.59322	0.
		583333			
1854	Point:	62	sepal_length	sepal_width	

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1854 petal_length  petal_width
1855 62          0.710145    0.588235    0.542373    0.
      583333
1856 Point: 79          sepal_length  sepal_width
              petal_length  petal_width
1857 79          0.724638    0.558824    0.59322     0.
      583333
1858 Point: 64          sepal_length  sepal_width
              petal_length  petal_width
1859 64          0.73913     0.558824    0.627119    0.
      541667
1860 Point: 92          sepal_length  sepal_width
              petal_length  petal_width
1861 92          0.73913     0.588235    0.610169    0.
      541667
1862 Cluster 133:
1863 5 points:
1864 Point: 109          sepal_length  sepal_width
              petal_length  petal_width
1865 109         0.826087    0.441176    0.813559    0.
      708333
1866 Point: 108          sepal_length  sepal_width
              petal_length  petal_width
1867 108         0.913043    0.558824    0.898305    0.
      708333
1868 Point: 131          sepal_length  sepal_width
              petal_length  petal_width
1869 131         0.927536    0.529412    0.864407
                  0.75
1870 Point: 126          sepal_length  sepal_width
              petal_length  petal_width
1871 126         0.898551    0.647059    0.847458    0.
      708333
1872 Point: 130          sepal_length  sepal_width
              petal_length  petal_width
1873 130         0.898551    0.588235    0.813559
                  0.625
1874 Cluster 134:
1875 36 points:
1876 Point: 14          sepal_length  sepal_width
              petal_length  petal_width

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1877	14	0.478261	0.588235	0.016949	
		0.0			
1878	Point: 9	sepal_length	sepal_width	petal_length	petal_width
1879	9	0.492754	0.558824	0.067797	0.
		041667			
1880	Point: 39	sepal_length	sepal_width		
		petal_length	petal_width		
1881	39	0.492754	0.588235	0.050847	0.
		041667			
1882	Point: 23	sepal_length	sepal_width		
		petal_length	petal_width		
1883	23	0.521739	0.764706	0.0	0.
		041667			
1884	Point: 44	sepal_length	sepal_width		
		petal_length	petal_width		
1885	44	0.57971	0.735294	0.101695	0.
		208333			
1886	Point: 32	sepal_length	sepal_width		
		petal_length	petal_width		
1887	32	0.637681	0.705882	0.084746	
		0.125			
1888	Point: 24	sepal_length	sepal_width		
		petal_length	petal_width		
1889	24	0.594203	0.676471	0.118644	0.
		166667			
1890	Point: 27	sepal_length	sepal_width		
		petal_length	petal_width		
1891	27	0.57971	0.705882	0.101695	
		0.125			
1892	Point: 21	sepal_length	sepal_width		
		petal_length	petal_width		
1893	21	0.637681	0.705882	0.118644	0.
		041667			
1894	Point: 37	sepal_length	sepal_width		
		petal_length	petal_width		
1895	37	0.652174	0.735294	0.050847	0.
		041667			
1896	Point: 5	sepal_length	sepal_width	petal_length	petal_width
1897	5	0.57971	0.764706	0.067797	0.

1897	041667				
1898	Point:	18	sepal_length	sepal_width	
		petal_length	petal_width		
1899	18	0.594203	0.735294	0.067797	0.
	083333				
1900	Point:	41	sepal_length	sepal_width	
		petal_length	petal_width		
1901	41	0.57971	0.735294	0.050847	0.
	083333				
1902	Point:	1	sepal_length	sepal_width	petal_length
		petal_width			
1903	1	0.594203	0.735294	0.067797	0.
	041667				
1904	Point:	28	sepal_length	sepal_width	
		petal_length	petal_width		
1905	28	0.608696	0.735294	0.084746	0.
	041667				
1906	Point:	29	sepal_length	sepal_width	
		petal_length	petal_width		
1907	29	0.608696	0.705882	0.067797	0.
	041667				
1908	Point:	8	sepal_length	sepal_width	petal_length
		petal_width			
1909	8	0.57971	0.705882	0.084746	0.
	041667				
1910	Point:	40	sepal_length	sepal_width	
		petal_length	petal_width		
1911	40	0.594203	0.705882	0.084746	0.
	041667				
1912	Point:	36	sepal_length	sepal_width	
		petal_length	petal_width		
1913	36	0.57971	0.647059	0.033898	0.
	041667				
1914	Point:	50	sepal_length	sepal_width	
		petal_length	petal_width		
1915	50	0.57971	0.676471	0.067797	0.
	041667				
1916	Point:	46	sepal_length	sepal_width	
		petal_length	petal_width		
1917	46	0.550725	0.588235	0.067797	0.
	083333				

1918	Point: 4	sepal_length	sepal_width	petal_length	
		petal_width			
1919	4	0.521739	0.617647	0.084746	0.
		041667			
1920	Point: 30	sepal_length	sepal_width		
		petal_length	petal_width		
1921	30	0.536232	0.647059	0.101695	0.
		041667			
1922	Point: 31	sepal_length	sepal_width		
		petal_length	petal_width		
1923	31	0.550725	0.617647	0.101695	0.
		041667			
1924	Point: 43	sepal_length	sepal_width		
		petal_length	petal_width		
1925	43	0.492754	0.647059	0.050847	0.
		041667			
1926	Point: 3	sepal_length	sepal_width	petal_length	
		petal_width			
1927	3	0.536232	0.647059	0.050847	0.
		041667			
1928	Point: 48	sepal_length	sepal_width		
		petal_length	petal_width		
1929	48	0.521739	0.647059	0.067797	0.
		041667			
1930	Point: 2	sepal_length	sepal_width	petal_length	
		petal_width			
1931	2	0.565217	0.588235	0.067797	0.
		041667			
1932	Point: 26	sepal_length	sepal_width		
		petal_length	petal_width		
1933	26	0.57971	0.588235	0.101695	0.
		041667			
1934	Point: 38	sepal_length	sepal_width		
		petal_length	petal_width		
1935	38	0.565217	0.617647	0.084746	
		0.0			
1936	Point: 35	sepal_length	sepal_width		
		petal_length	petal_width		
1937	35	0.565217	0.617647	0.084746	
		0.0			
1938	Point: 10	sepal_length	sepal_width		

		petal_length	petal_width		
1938					
1939	10	0.565217	0.617647	0.084746	
		0.0			
1940	Point: 13	sepal_length	sepal_width		
		petal_length	petal_width		
1941	13	0.550725	0.588235	0.067797	
		0.0			
1942	Point: 7	sepal_length	sepal_width	petal_length	
		petal_width			
1943	7	0.521739	0.705882	0.067797	0.
		083333			
1944	Point: 12	sepal_length	sepal_width		
		petal_length	petal_width		
1945	12	0.550725	0.705882	0.101695	0.
		041667			
1946	Point: 25	sepal_length	sepal_width		
		petal_length	petal_width		
1947	25	0.550725	0.705882	0.152542	0.
		041667			
1948	Cluster 135:				
1949	5 points:				
1950	Point: 63	sepal_length	sepal_width		
		petal_length	petal_width		
1951	63	0.724638	0.352941	0.508475	
		0.375			
1952	Point: 61	sepal_length	sepal_width		
		petal_length	petal_width		
1953	61	0.57971	0.294118	0.423729	
		0.375			
1954	Point: 99	sepal_length	sepal_width		
		petal_length	petal_width		
1955	99	0.594203	0.441176	0.338983	0.
		416667			
1956	Point: 58	sepal_length	sepal_width		
		petal_length	petal_width		
1957	58	0.565217	0.411765	0.389831	
		0.375			
1958	Point: 94	sepal_length	sepal_width		
		petal_length	petal_width		
1959	94	0.57971	0.382353	0.389831	
		0.375			

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1960 Cluster 136:
1961 26 points:
1962 Point: 60      sepal_length  sepal_width
           petal_length  petal_width
1963 60      0.608696          0.5      0.491525      0.
           541667
1964 Point: 65      sepal_length  sepal_width
           petal_length  petal_width
1965 65      0.666667          0.558824      0.440678
           0.5
1966 Point: 54      sepal_length  sepal_width
           petal_length  petal_width
1967 54      0.652174          0.382353      0.508475
           0.5
1968 Point: 90      sepal_length  sepal_width
           petal_length  petal_width
1969 90      0.652174          0.441176      0.508475
           0.5
1970 Point: 80      sepal_length  sepal_width
           petal_length  petal_width
1971 80      0.681159          0.470588      0.423729
           0.375
1972 Point: 82      sepal_length  sepal_width
           petal_length  petal_width
1973 82      0.652174          0.411765      0.457627
           0.375
1974 Point: 70      sepal_length  sepal_width
           petal_length  petal_width
1975 70      0.666667          0.441176      0.491525      0.
           416667
1976 Point: 81      sepal_length  sepal_width
           petal_length  petal_width
1977 81      0.652174          0.411765      0.474576      0.
           416667
1978 Point: 68      sepal_length  sepal_width
           petal_length  petal_width
1979 68      0.695652          0.5      0.525424
           0.375
1980 Point: 91      sepal_length  sepal_width
           petal_length  petal_width
1981 91      0.652174          0.470588      0.576271      0.

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1981	458333				
1982	Point:	83	sepal_length	sepal_width	
		petal_length	petal_width		
1983	83	0.695652	0.5	0.491525	0.
	458333				
1984	Point:	93	sepal_length	sepal_width	
		petal_length	petal_width		
1985	93	0.695652	0.470588	0.508475	0.
	458333				
1986	Point:	72	sepal_length	sepal_width	
		petal_length	petal_width		
1987	72	0.73913	0.529412	0.508475	
		0.5			
1988	Point:	75	sepal_length	sepal_width	
		petal_length	petal_width		
1989	75	0.782609	0.558824	0.559322	
		0.5			
1990	Point:	98	sepal_length	sepal_width	
		petal_length	petal_width		
1991	98	0.753623	0.558824	0.559322	
		0.5			
1992	Point:	89	sepal_length	sepal_width	
		petal_length	petal_width		
1993	89	0.666667	0.588235	0.525424	
		0.5			
1994	Point:	96	sepal_length	sepal_width	
		petal_length	petal_width		
1995	96	0.681159	0.588235	0.542373	0.
	458333				
1996	Point:	56	sepal_length	sepal_width	
		petal_length	petal_width		
1997	56	0.681159	0.529412	0.59322	
		0.5			
1998	Point:	95	sepal_length	sepal_width	
		petal_length	petal_width		
1999	95	0.666667	0.5	0.542373	
		0.5			
2000	Point:	97	sepal_length	sepal_width	
		petal_length	petal_width		
2001	97	0.681159	0.558824	0.542373	
		0.5			

2002	Point:	100	sepal_length	sepal_width	
			petal_length	petal_width	
2003	100	0.681159	0.529412	0.525424	
		0.5			
2004	Point:	63	sepal_length	sepal_width	
			petal_length	petal_width	
2005	63	0.724638	0.352941	0.508475	
		0.375			
2006	Point:	61	sepal_length	sepal_width	
			petal_length	petal_width	
2007	61	0.57971	0.294118	0.423729	
		0.375			
2008	Point:	99	sepal_length	sepal_width	
			petal_length	petal_width	
2009	99	0.594203	0.441176	0.338983	0.
		416667			
2010	Point:	58	sepal_length	sepal_width	
			petal_length	petal_width	
2011	58	0.565217	0.411765	0.389831	
		0.375			
2012	Point:	94	sepal_length	sepal_width	
			petal_length	petal_width	
2013	94	0.57971	0.382353	0.389831	
		0.375			
2014	Cluster	137:			
2015	20	points:			
2016	Point:	115	sepal_length	sepal_width	
			petal_length	petal_width	
2017	115	0.695652	0.529412	0.694915	0.
		958333			
2018	Point:	103	sepal_length	sepal_width	
			petal_length	petal_width	
2019	103	0.884058	0.588235	0.830508	0.
		833333			
2020	Point:	105	sepal_length	sepal_width	
			petal_length	petal_width	
2021	105	0.797101	0.588235	0.813559	
		0.875			
2022	Point:	129	sepal_length	sepal_width	
			petal_length	petal_width	
2023	129	0.782609	0.529412	0.779661	0.

2023	833333				
2024	Point: 133	sepal_length	sepal_width		
	petal_length	petal_width			
2025	133	0.782609	0.529412	0.779661	
	0.875				
2026	Point: 125	sepal_length	sepal_width		
	petal_length	petal_width			
2027	125	0.826087	0.676471	0.79661	0.
	833333				
2028	Point: 113	sepal_length	sepal_width		
	petal_length	petal_width			
2029	113	0.84058	0.588235	0.762712	0.
	833333				
2030	Point: 140	sepal_length	sepal_width		
	petal_length	petal_width			
2031	140	0.855072	0.617647	0.745763	0.
	833333				
2032	Point: 111	sepal_length	sepal_width		
	petal_length	petal_width			
2033	111	0.797101	0.647059	0.694915	0.
	791667				
2034	Point: 148	sepal_length	sepal_width		
	petal_length	petal_width			
2035	148	0.797101	0.588235	0.711864	0.
	791667				
2036	Point: 142	sepal_length	sepal_width		
	petal_length	petal_width			
2037	142	0.855072	0.617647	0.694915	0.
	916667				
2038	Point: 146	sepal_length	sepal_width		
	petal_length	petal_width			
2039	146	0.826087	0.588235	0.711864	0.
	916667				
2040	Point: 116	sepal_length	sepal_width		
	petal_length	petal_width			
2041	116	0.782609	0.647059	0.728814	0.
	916667				
2042	Point: 137	sepal_length	sepal_width		
	petal_length	petal_width			
2043	137	0.768116	0.705882	0.779661	0.
	958333				

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2044 Point: 149      sepal_length  sepal_width
          petal_length  petal_width
2045 149      0.753623      0.705882      0.745763      0.
         916667
2046 Point: 141      sepal_length  sepal_width
          petal_length  petal_width
2047 141      0.826087      0.617647      0.779661      0.
         958333
2048 Point: 121      sepal_length  sepal_width
          petal_length  petal_width
2049 121      0.855072      0.647059      0.79661      0.
         916667
2050 Point: 144      sepal_length  sepal_width
          petal_length  petal_width
2051 144      0.84058       0.647059      0.830508      0.
         916667
2052 Point: 101      sepal_length  sepal_width
          petal_length  petal_width
2053 101      0.768116      0.676471      0.847458
         1.0
2054 Point: 145      sepal_length  sepal_width
          petal_length  petal_width
2055 145      0.826087      0.676471      0.79661
         1.0
2056 Cluster 138:
2057 21 points:
2058 Point: 114      sepal_length  sepal_width
          petal_length  petal_width
2059 114      0.681159      0.441176      0.677966      0.
         791667
2060 Point: 143      sepal_length  sepal_width
          petal_length  petal_width
2061 143      0.695652       0.5       0.694915
         0.75
2062 Point: 102      sepal_length  sepal_width
          petal_length  petal_width
2063 102      0.695652       0.5       0.694915
         0.75
2064 Point: 122      sepal_length  sepal_width
          petal_length  petal_width
2065 122      0.666667      0.529412      0.661017      0.

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2065	791667				
2066	Point: 124	sepal_length	sepal_width		
		petal_length	petal_width		
2067	124	0.768116	0.5	0.661017	0.
	708333				
2068	Point: 127	sepal_length	sepal_width		
		petal_length	petal_width		
2069	127	0.753623	0.529412	0.644068	0.
	708333				
2070	Point: 112	sepal_length	sepal_width		
		petal_length	petal_width		
2071	112	0.782609	0.5	0.728814	
	0.75				
2072	Point: 147	sepal_length	sepal_width		
		petal_length	petal_width		
2073	147	0.768116	0.441176	0.677966	
	0.75				
2074	Point: 71	sepal_length	sepal_width		
		petal_length	petal_width		
2075	71	0.710145	0.647059	0.644068	0.
	708333				
2076	Point: 150	sepal_length	sepal_width		
		petal_length	petal_width		
2077	150	0.710145	0.588235	0.694915	0.
	708333				
2078	Point: 128	sepal_length	sepal_width		
		petal_length	petal_width		
2079	128	0.73913	0.588235	0.661017	0.
	708333				
2080	Point: 139	sepal_length	sepal_width		
		petal_length	petal_width		
2081	139	0.724638	0.588235	0.644068	0.
	708333				
2082	Point: 78	sepal_length	sepal_width		
		petal_length	petal_width		
2083	78	0.826087	0.588235	0.677966	0.
	666667				
2084	Point: 104	sepal_length	sepal_width		
		petal_length	petal_width		
2085	104	0.768116	0.558824	0.779661	0.
	708333				

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2086 Point: 117      sepal_length  sepal_width
          petal_length  petal_width
2087 117      0.797101      0.588235      0.762712      0.
          708333
2088 Point: 138      sepal_length  sepal_width
          petal_length  petal_width
2089 138      0.782609      0.617647      0.762712      0.
          708333
2090 Point: 109      sepal_length  sepal_width
          petal_length  petal_width
2091 109      0.826087      0.441176      0.813559      0.
          708333
2092 Point: 108      sepal_length  sepal_width
          petal_length  petal_width
2093 108      0.913043      0.558824      0.898305      0.
          708333
2094 Point: 131      sepal_length  sepal_width
          petal_length  petal_width
2095 131      0.927536      0.529412      0.864407
          0.75
2096 Point: 126      sepal_length  sepal_width
          petal_length  petal_width
2097 126      0.898551      0.647059      0.847458      0.
          708333
2098 Point: 130      sepal_length  sepal_width
          petal_length  petal_width
2099 130      0.898551      0.588235      0.813559
          0.625
2100 Cluster 139:
2101 3 points:
2102 Point: 110      sepal_length  sepal_width
          petal_length  petal_width
2103 110      0.898551      0.764706      0.864407
          1.0
2104 Point: 118      sepal_length  sepal_width
          petal_length  petal_width
2105 118      0.971014      0.823529      0.966102
          0.875
2106 Point: 132      sepal_length  sepal_width
          petal_length  petal_width
2107 132      1.0          0.823529      0.915254      0.

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2107	791667				
2108	Cluster 140:				
2109	41 points:				
2110	Point: 115	sepal_length	sepal_width		
	petal_length	petal_width			
2111	115	0.695652	0.529412	0.694915	0.
	958333				
2112	Point: 103	sepal_length	sepal_width		
	petal_length	petal_width			
2113	103	0.884058	0.588235	0.830508	0.
	833333				
2114	Point: 105	sepal_length	sepal_width		
	petal_length	petal_width			
2115	105	0.797101	0.588235	0.813559	
	0.875				
2116	Point: 129	sepal_length	sepal_width		
	petal_length	petal_width			
2117	129	0.782609	0.529412	0.779661	0.
	833333				
2118	Point: 133	sepal_length	sepal_width		
	petal_length	petal_width			
2119	133	0.782609	0.529412	0.779661	
	0.875				
2120	Point: 125	sepal_length	sepal_width		
	petal_length	petal_width			
2121	125	0.826087	0.676471	0.79661	0.
	833333				
2122	Point: 113	sepal_length	sepal_width		
	petal_length	petal_width			
2123	113	0.84058	0.588235	0.762712	0.
	833333				
2124	Point: 140	sepal_length	sepal_width		
	petal_length	petal_width			
2125	140	0.855072	0.617647	0.745763	0.
	833333				
2126	Point: 111	sepal_length	sepal_width		
	petal_length	petal_width			
2127	111	0.797101	0.647059	0.694915	0.
	791667				
2128	Point: 148	sepal_length	sepal_width		
	petal_length	petal_width			

2129	148	0.797101	0.588235	0.711864	0.
	791667				
2130	Point: 142	sepal_length	sepal_width		
		petal_length	petal_width		
2131	142	0.855072	0.617647	0.694915	0.
	916667				
2132	Point: 146	sepal_length	sepal_width		
		petal_length	petal_width		
2133	146	0.826087	0.588235	0.711864	0.
	916667				
2134	Point: 116	sepal_length	sepal_width		
		petal_length	petal_width		
2135	116	0.782609	0.647059	0.728814	0.
	916667				
2136	Point: 137	sepal_length	sepal_width		
		petal_length	petal_width		
2137	137	0.768116	0.705882	0.779661	0.
	958333				
2138	Point: 149	sepal_length	sepal_width		
		petal_length	petal_width		
2139	149	0.753623	0.705882	0.745763	0.
	916667				
2140	Point: 141	sepal_length	sepal_width		
		petal_length	petal_width		
2141	141	0.826087	0.617647	0.779661	0.
	958333				
2142	Point: 121	sepal_length	sepal_width		
		petal_length	petal_width		
2143	121	0.855072	0.647059	0.79661	0.
	916667				
2144	Point: 144	sepal_length	sepal_width		
		petal_length	petal_width		
2145	144	0.84058	0.647059	0.830508	0.
	916667				
2146	Point: 101	sepal_length	sepal_width		
		petal_length	petal_width		
2147	101	0.768116	0.676471	0.847458	
	1.0				
2148	Point: 145	sepal_length	sepal_width		
		petal_length	petal_width		
2149	145	0.826087	0.676471	0.79661	

2149	1.0				
2150	Point: 114	sepal_length	sepal_width		
		petal_length	petal_width		
2151	114	0.681159	0.441176	0.677966	0.
		791667			
2152	Point: 143	sepal_length	sepal_width		
		petal_length	petal_width		
2153	143	0.695652	0.5	0.694915	
		0.75			
2154	Point: 102	sepal_length	sepal_width		
		petal_length	petal_width		
2155	102	0.695652	0.5	0.694915	
		0.75			
2156	Point: 122	sepal_length	sepal_width		
		petal_length	petal_width		
2157	122	0.666667	0.529412	0.661017	0.
		791667			
2158	Point: 124	sepal_length	sepal_width		
		petal_length	petal_width		
2159	124	0.768116	0.5	0.661017	0.
		708333			
2160	Point: 127	sepal_length	sepal_width		
		petal_length	petal_width		
2161	127	0.753623	0.529412	0.644068	0.
		708333			
2162	Point: 112	sepal_length	sepal_width		
		petal_length	petal_width		
2163	112	0.782609	0.5	0.728814	
		0.75			
2164	Point: 147	sepal_length	sepal_width		
		petal_length	petal_width		
2165	147	0.768116	0.441176	0.677966	
		0.75			
2166	Point: 71	sepal_length	sepal_width		
		petal_length	petal_width		
2167	71	0.710145	0.647059	0.644068	0.
		708333			
2168	Point: 150	sepal_length	sepal_width		
		petal_length	petal_width		
2169	150	0.710145	0.588235	0.694915	0.
		708333			

2170	Point: 128	sepal_length	sepal_width	
		petal_length	petal_width	
2171	128	0.73913	0.588235	0.661017
	708333			0.
2172	Point: 139	sepal_length	sepal_width	
		petal_length	petal_width	
2173	139	0.724638	0.588235	0.644068
	708333			0.
2174	Point: 78	sepal_length	sepal_width	
		petal_length	petal_width	
2175	78	0.826087	0.588235	0.677966
	666667			0.
2176	Point: 104	sepal_length	sepal_width	
		petal_length	petal_width	
2177	104	0.768116	0.558824	0.779661
	708333			0.
2178	Point: 117	sepal_length	sepal_width	
		petal_length	petal_width	
2179	117	0.797101	0.588235	0.762712
	708333			0.
2180	Point: 138	sepal_length	sepal_width	
		petal_length	petal_width	
2181	138	0.782609	0.617647	0.762712
	708333			0.
2182	Point: 109	sepal_length	sepal_width	
		petal_length	petal_width	
2183	109	0.826087	0.441176	0.813559
	708333			0.
2184	Point: 108	sepal_length	sepal_width	
		petal_length	petal_width	
2185	108	0.913043	0.558824	0.898305
	708333			0.
2186	Point: 131	sepal_length	sepal_width	
		petal_length	petal_width	
2187	131	0.927536	0.529412	0.864407
	0.75			
2188	Point: 126	sepal_length	sepal_width	
		petal_length	petal_width	
2189	126	0.898551	0.647059	0.847458
	708333			0.
2190	Point: 130	sepal_length	sepal_width	

2190	petal_length	petal_width			
2191	130	0.898551	0.588235	0.813559	
		0.625			
2192	Cluster 141:				
2193	51 points:				
2194	Point: 88	sepal_length	sepal_width		
		petal_length	petal_width		
2195	88	0.768116	0.382353	0.576271	
		0.5			
2196	Point: 69	sepal_length	sepal_width		
		petal_length	petal_width		
2197	69	0.753623	0.352941	0.59322	0.
		583333			
2198	Point: 120	sepal_length	sepal_width		
		petal_length	petal_width		
2199	120	0.724638	0.352941	0.677966	0.
		583333			
2200	Point: 135	sepal_length	sepal_width		
		petal_length	petal_width		
2201	135	0.73913	0.470588	0.779661	0.
		541667			
2202	Point: 73	sepal_length	sepal_width		
		petal_length	petal_width		
2203	73	0.768116	0.441176	0.661017	0.
		583333			
2204	Point: 84	sepal_length	sepal_width		
		petal_length	petal_width		
2205	84	0.724638	0.5	0.694915	
		0.625			
2206	Point: 134	sepal_length	sepal_width		
		petal_length	petal_width		
2207	134	0.768116	0.529412	0.694915	0.
		583333			
2208	Point: 74	sepal_length	sepal_width		
		petal_length	petal_width		
2209	74	0.73913	0.529412	0.627119	0.
		458333			
2210	Point: 55	sepal_length	sepal_width		
		petal_length	petal_width		
2211	55	0.797101	0.529412	0.610169	0.
		583333			

2212	Point:	59	sepal_length	sepal_width	
		petal_length	petal_width		
2213	59	0.811594	0.558824	0.610169	
		0.5			
2214	Point:	77	sepal_length	sepal_width	
		petal_length	petal_width		
2215	77	0.84058	0.529412	0.644068	0.
		541667			
2216	Point:	66	sepal_length	sepal_width	
		petal_length	petal_width		
2217	66	0.826087	0.617647	0.576271	0.
		541667			
2218	Point:	76	sepal_length	sepal_width	
		petal_length	petal_width		
2219	76	0.811594	0.588235	0.576271	0.
		541667			
2220	Point:	51	sepal_length	sepal_width	
		petal_length	petal_width		
2221	51	0.869565	0.647059	0.627119	0.
		541667			
2222	Point:	53	sepal_length	sepal_width	
		petal_length	petal_width		
2223	53	0.855072	0.617647	0.661017	0.
		583333			
2224	Point:	87	sepal_length	sepal_width	
		petal_length	petal_width		
2225	87	0.826087	0.617647	0.627119	0.
		583333			
2226	Point:	52	sepal_length	sepal_width	
		petal_length	petal_width		
2227	52	0.782609	0.647059	0.59322	0.
		583333			
2228	Point:	57	sepal_length	sepal_width	
		petal_length	petal_width		
2229	57	0.768116	0.676471	0.627119	
		0.625			
2230	Point:	86	sepal_length	sepal_width	
		petal_length	petal_width		
2231	86	0.724638	0.705882	0.59322	
		0.625			
2232	Point:	67	sepal_length	sepal_width	

2232	petal_length	petal_width			
2233	67	0.666667	0.588235	0.59322	0.
	583333				
2234	Point: 85	sepal_length	sepal_width		
		petal_length	petal_width		
2235	85	0.637681	0.588235	0.59322	0.
	583333				
2236	Point: 62	sepal_length	sepal_width		
		petal_length	petal_width		
2237	62	0.710145	0.588235	0.542373	0.
	583333				
2238	Point: 79	sepal_length	sepal_width		
		petal_length	petal_width		
2239	79	0.724638	0.558824	0.59322	0.
	583333				
2240	Point: 64	sepal_length	sepal_width		
		petal_length	petal_width		
2241	64	0.73913	0.558824	0.627119	0.
	541667				
2242	Point: 92	sepal_length	sepal_width		
		petal_length	petal_width		
2243	92	0.73913	0.588235	0.610169	0.
	541667				
2244	Point: 60	sepal_length	sepal_width		
		petal_length	petal_width		
2245	60	0.608696	0.5	0.491525	0.
	541667				
2246	Point: 65	sepal_length	sepal_width		
		petal_length	petal_width		
2247	65	0.666667	0.558824	0.440678	
	0.5				
2248	Point: 54	sepal_length	sepal_width		
		petal_length	petal_width		
2249	54	0.652174	0.382353	0.508475	
	0.5				
2250	Point: 90	sepal_length	sepal_width		
		petal_length	petal_width		
2251	90	0.652174	0.441176	0.508475	
	0.5				
2252	Point: 80	sepal_length	sepal_width		
		petal_length	petal_width		

2253	80	0.681159	0.470588	0.423729	
		0.375			
2254	Point: 82	sepal_length	sepal_width		
		petal_length	petal_width		
2255	82	0.652174	0.411765	0.457627	
		0.375			
2256	Point: 70	sepal_length	sepal_width		
		petal_length	petal_width		
2257	70	0.666667	0.441176	0.491525	0.
		416667			
2258	Point: 81	sepal_length	sepal_width		
		petal_length	petal_width		
2259	81	0.652174	0.411765	0.474576	0.
		416667			
2260	Point: 68	sepal_length	sepal_width		
		petal_length	petal_width		
2261	68	0.695652	0.5	0.525424	
		0.375			
2262	Point: 91	sepal_length	sepal_width		
		petal_length	petal_width		
2263	91	0.652174	0.470588	0.576271	0.
		458333			
2264	Point: 83	sepal_length	sepal_width		
		petal_length	petal_width		
2265	83	0.695652	0.5	0.491525	0.
		458333			
2266	Point: 93	sepal_length	sepal_width		
		petal_length	petal_width		
2267	93	0.695652	0.470588	0.508475	0.
		458333			
2268	Point: 72	sepal_length	sepal_width		
		petal_length	petal_width		
2269	72	0.73913	0.529412	0.508475	
		0.5			
2270	Point: 75	sepal_length	sepal_width		
		petal_length	petal_width		
2271	75	0.782609	0.558824	0.559322	
		0.5			
2272	Point: 98	sepal_length	sepal_width		
		petal_length	petal_width		
2273	98	0.753623	0.558824	0.559322	

2273	0.5				
2274	Point: 89	sepal_length	sepal_width		
	petal_length	petal_width			
2275	89	0.666667	0.588235	0.525424	
	0.5				
2276	Point: 96	sepal_length	sepal_width		
	petal_length	petal_width			
2277	96	0.681159	0.588235	0.542373	0.
	458333				
2278	Point: 56	sepal_length	sepal_width		
	petal_length	petal_width			
2279	56	0.681159	0.529412	0.59322	
	0.5				
2280	Point: 95	sepal_length	sepal_width		
	petal_length	petal_width			
2281	95	0.666667	0.5	0.542373	
	0.5				
2282	Point: 97	sepal_length	sepal_width		
	petal_length	petal_width			
2283	97	0.681159	0.558824	0.542373	
	0.5				
2284	Point: 100	sepal_length	sepal_width		
	petal_length	petal_width			
2285	100	0.681159	0.529412	0.525424	
	0.5				
2286	Point: 63	sepal_length	sepal_width		
	petal_length	petal_width			
2287	63	0.724638	0.352941	0.508475	
	0.375				
2288	Point: 61	sepal_length	sepal_width		
	petal_length	petal_width			
2289	61	0.57971	0.294118	0.423729	
	0.375				
2290	Point: 99	sepal_length	sepal_width		
	petal_length	petal_width			
2291	99	0.594203	0.441176	0.338983	0.
	416667				
2292	Point: 58	sepal_length	sepal_width		
	petal_length	petal_width			
2293	58	0.565217	0.411765	0.389831	
	0.375				

	Point:	sepal_length	sepal_width	petal_length	petal_width
2294	94				
		0.57971	0.382353	0.389831	0.375
2295	94				
2296	Cluster 142:				
2297	52 points:				
2298	Point: 107				
		0.565217	0.441176	0.59322	0.
2299	107				0.666667
2300	Point: 88				
		0.768116	0.382353	0.576271	0.5
2301	88				
2302	Point: 69				
		0.753623	0.352941	0.59322	0.583333
2303	69				
2304	Point: 120				
		0.724638	0.352941	0.677966	0.583333
2305	120				
2306	Point: 135				
		0.73913	0.470588	0.779661	0.541667
2307	135				
2308	Point: 73				
		0.768116	0.441176	0.661017	0.583333
2309	73				
2310	Point: 84				
		0.724638	0.5	0.694915	0.625
2311	84				
2312	Point: 134				
		0.768116	0.529412	0.694915	0.583333
2313	134				
2314	Point: 74				
		0.73913	0.529412	0.627119	0.
2315	74				

2315	458333				
2316	Point:	55	sepal_length	sepal_width	
		petal_length	petal_width		
2317	55	0.797101	0.529412	0.610169	0.
	583333				
2318	Point:	59	sepal_length	sepal_width	
		petal_length	petal_width		
2319	59	0.811594	0.558824	0.610169	
		0.5			
2320	Point:	77	sepal_length	sepal_width	
		petal_length	petal_width		
2321	77	0.84058	0.529412	0.644068	0.
	541667				
2322	Point:	66	sepal_length	sepal_width	
		petal_length	petal_width		
2323	66	0.826087	0.617647	0.576271	0.
	541667				
2324	Point:	76	sepal_length	sepal_width	
		petal_length	petal_width		
2325	76	0.811594	0.588235	0.576271	0.
	541667				
2326	Point:	51	sepal_length	sepal_width	
		petal_length	petal_width		
2327	51	0.869565	0.647059	0.627119	0.
	541667				
2328	Point:	53	sepal_length	sepal_width	
		petal_length	petal_width		
2329	53	0.855072	0.617647	0.661017	0.
	583333				
2330	Point:	87	sepal_length	sepal_width	
		petal_length	petal_width		
2331	87	0.826087	0.617647	0.627119	0.
	583333				
2332	Point:	52	sepal_length	sepal_width	
		petal_length	petal_width		
2333	52	0.782609	0.647059	0.59322	0.
	583333				
2334	Point:	57	sepal_length	sepal_width	
		petal_length	petal_width		
2335	57	0.768116	0.676471	0.627119	
	0.625				

	Point:	sepal_length	sepal_width	petal_length	petal_width	
2336	Point: 86	sepal_length	sepal_width	petal_length	petal_width	
2337	86	0.724638	0.705882	0.59322	0.625	
2338	Point: 67	sepal_length	sepal_width	petal_length	petal_width	
2339	67	0.666667	0.588235	0.59322	0.583333	0.
2340	Point: 85	sepal_length	sepal_width	petal_length	petal_width	
2341	85	0.637681	0.588235	0.59322	0.583333	0.
2342	Point: 62	sepal_length	sepal_width	petal_length	petal_width	
2343	62	0.710145	0.588235	0.542373	0.583333	0.
2344	Point: 79	sepal_length	sepal_width	petal_length	petal_width	
2345	79	0.724638	0.558824	0.59322	0.583333	0.
2346	Point: 64	sepal_length	sepal_width	petal_length	petal_width	
2347	64	0.73913	0.558824	0.627119	0.541667	0.
2348	Point: 92	sepal_length	sepal_width	petal_length	petal_width	
2349	92	0.73913	0.588235	0.610169	0.541667	0.
2350	Point: 60	sepal_length	sepal_width	petal_length	petal_width	
2351	60	0.608696	0.5	0.491525	0.541667	0.
2352	Point: 65	sepal_length	sepal_width	petal_length	petal_width	
2353	65	0.666667	0.558824	0.440678	0.5	
2354	Point: 54	sepal_length	sepal_width	petal_length	petal_width	
2355	54	0.652174	0.382353	0.508475	0.5	
2356	Point: 90	sepal_length	sepal_width			

2356	petal_length	petal_width			
2357	90	0.652174	0.441176	0.508475	
		0.5			
2358	Point: 80	sepal_length	sepal_width		
		petal_length	petal_width		
2359	80	0.681159	0.470588	0.423729	
		0.375			
2360	Point: 82	sepal_length	sepal_width		
		petal_length	petal_width		
2361	82	0.652174	0.411765	0.457627	
		0.375			
2362	Point: 70	sepal_length	sepal_width		
		petal_length	petal_width		
2363	70	0.666667	0.441176	0.491525	0.
		416667			
2364	Point: 81	sepal_length	sepal_width		
		petal_length	petal_width		
2365	81	0.652174	0.411765	0.474576	0.
		416667			
2366	Point: 68	sepal_length	sepal_width		
		petal_length	petal_width		
2367	68	0.695652	0.5	0.525424	
		0.375			
2368	Point: 91	sepal_length	sepal_width		
		petal_length	petal_width		
2369	91	0.652174	0.470588	0.576271	0.
		458333			
2370	Point: 83	sepal_length	sepal_width		
		petal_length	petal_width		
2371	83	0.695652	0.5	0.491525	0.
		458333			
2372	Point: 93	sepal_length	sepal_width		
		petal_length	petal_width		
2373	93	0.695652	0.470588	0.508475	0.
		458333			
2374	Point: 72	sepal_length	sepal_width		
		petal_length	petal_width		
2375	72	0.73913	0.529412	0.508475	
		0.5			
2376	Point: 75	sepal_length	sepal_width		
		petal_length	petal_width		

2377	75	0.782609 0.5	0.558824	0.559322
2378	Point: 98	sepal_length petal_length	sepal_width petal_width	
2379	98	0.753623 0.5	0.558824	0.559322
2380	Point: 89	sepal_length petal_length	sepal_width petal_width	
2381	89	0.666667 0.5	0.588235	0.525424
2382	Point: 96	sepal_length petal_length	sepal_width petal_width	
2383	96	0.681159 458333	0.588235	0.542373
2384	Point: 56	sepal_length petal_length	sepal_width petal_width	
2385	56	0.681159 0.5	0.529412	0.59322
2386	Point: 95	sepal_length petal_length	sepal_width petal_width	
2387	95	0.666667 0.5	0.5	0.542373
2388	Point: 97	sepal_length petal_length	sepal_width petal_width	
2389	97	0.681159 0.5	0.558824	0.542373
2390	Point: 100	sepal_length petal_length	sepal_width petal_width	
2391	100	0.681159 0.5	0.529412	0.525424
2392	Point: 63	sepal_length petal_length	sepal_width petal_width	
2393	63	0.724638 0.375	0.352941	0.508475
2394	Point: 61	sepal_length petal_length	sepal_width petal_width	
2395	61	0.57971 0.375	0.294118	0.423729
2396	Point: 99	sepal_length petal_length	sepal_width petal_width	
2397	99	0.594203 0.	0.441176	0.338983

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2397 416667
2398 Point: 58      sepal_length  sepal_width
           petal_length  petal_width
2399 58      0.565217      0.411765      0.389831
           0.375
2400 Point: 94      sepal_length  sepal_width
           petal_length  petal_width
2401 94      0.57971       0.382353      0.389831
           0.375
2402 Cluster 143:
2403 37 points:
2404 Point: 42      sepal_length  sepal_width
           petal_length  petal_width
2405 42      0.507246      0.382353      0.050847      0.
           083333
2406 Point: 14      sepal_length  sepal_width
           petal_length  petal_width
2407 14      0.478261      0.588235      0.016949
           0.0
2408 Point: 9       sepal_length  sepal_width  petal_length
           petal_width
2409 9       0.492754      0.558824      0.067797      0.
           041667
2410 Point: 39      sepal_length  sepal_width
           petal_length  petal_width
2411 39      0.492754      0.588235      0.050847      0.
           041667
2412 Point: 23      sepal_length  sepal_width
           petal_length  petal_width
2413 23      0.521739      0.764706      0.0          0.
           041667
2414 Point: 44      sepal_length  sepal_width
           petal_length  petal_width
2415 44      0.57971       0.735294      0.101695      0.
           208333
2416 Point: 32      sepal_length  sepal_width
           petal_length  petal_width
2417 32      0.637681      0.705882      0.084746
           0.125
2418 Point: 24      sepal_length  sepal_width
           petal_length  petal_width
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2419	24	0.594203	0.676471	0.118644	0.
	166667				
2420	Point: 27	sepal_length	sepal_width		
		petal_length	petal_width		
2421	27	0.57971	0.705882	0.101695	0.
	0.125				
2422	Point: 21	sepal_length	sepal_width		
		petal_length	petal_width		
2423	21	0.637681	0.705882	0.118644	0.
	0.041667				
2424	Point: 37	sepal_length	sepal_width		
		petal_length	petal_width		
2425	37	0.652174	0.735294	0.050847	0.
	0.041667				
2426	Point: 5	sepal_length	sepal_width	petal_length	
		petal_width			
2427	5	0.57971	0.764706	0.067797	0.
	0.041667				
2428	Point: 18	sepal_length	sepal_width		
		petal_length	petal_width		
2429	18	0.594203	0.735294	0.067797	0.
	0.083333				
2430	Point: 41	sepal_length	sepal_width		
		petal_length	petal_width		
2431	41	0.57971	0.735294	0.050847	0.
	0.083333				
2432	Point: 1	sepal_length	sepal_width	petal_length	
		petal_width			
2433	1	0.594203	0.735294	0.067797	0.
	0.041667				
2434	Point: 28	sepal_length	sepal_width		
		petal_length	petal_width		
2435	28	0.608696	0.735294	0.084746	0.
	0.041667				
2436	Point: 29	sepal_length	sepal_width		
		petal_length	petal_width		
2437	29	0.608696	0.705882	0.067797	0.
	0.041667				
2438	Point: 8	sepal_length	sepal_width	petal_length	
		petal_width			
2439	8	0.57971	0.705882	0.084746	0.

2439	041667				
2440	Point:	40	sepal_length	sepal_width	
		petal_length	petal_width		
2441	40	0.594203	0.705882	0.084746	0.
	041667				
2442	Point:	36	sepal_length	sepal_width	
		petal_length	petal_width		
2443	36	0.57971	0.647059	0.033898	0.
	041667				
2444	Point:	50	sepal_length	sepal_width	
		petal_length	petal_width		
2445	50	0.57971	0.676471	0.067797	0.
	041667				
2446	Point:	46	sepal_length	sepal_width	
		petal_length	petal_width		
2447	46	0.550725	0.588235	0.067797	0.
	083333				
2448	Point:	4	sepal_length	sepal_width	petal_length
		petal_width			
2449	4	0.521739	0.617647	0.084746	0.
	041667				
2450	Point:	30	sepal_length	sepal_width	
		petal_length	petal_width		
2451	30	0.536232	0.647059	0.101695	0.
	041667				
2452	Point:	31	sepal_length	sepal_width	
		petal_length	petal_width		
2453	31	0.550725	0.617647	0.101695	0.
	041667				
2454	Point:	43	sepal_length	sepal_width	
		petal_length	petal_width		
2455	43	0.492754	0.647059	0.050847	0.
	041667				
2456	Point:	3	sepal_length	sepal_width	petal_length
		petal_width			
2457	3	0.536232	0.647059	0.050847	0.
	041667				
2458	Point:	48	sepal_length	sepal_width	
		petal_length	petal_width		
2459	48	0.521739	0.647059	0.067797	0.
	041667				

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2460 Point: 2      sepal_length  sepal_width  petal_length
              petal_width
2461 2      0.565217      0.588235      0.067797      0.
              041667
2462 Point: 26      sepal_length  sepal_width
              petal_length  petal_width
2463 26      0.57971       0.588235      0.101695      0.
              041667
2464 Point: 38      sepal_length  sepal_width
              petal_length  petal_width
2465 38      0.565217      0.617647      0.084746
              0.0
2466 Point: 35      sepal_length  sepal_width
              petal_length  petal_width
2467 35      0.565217      0.617647      0.084746
              0.0
2468 Point: 10      sepal_length  sepal_width
              petal_length  petal_width
2469 10      0.565217      0.617647      0.084746
              0.0
2470 Point: 13      sepal_length  sepal_width
              petal_length  petal_width
2471 13      0.550725      0.588235      0.067797
              0.0
2472 Point: 7       sepal_length  sepal_width  petal_length
              petal_width
2473 7       0.521739      0.705882      0.067797      0.
              083333
2474 Point: 12      sepal_length  sepal_width
              petal_length  petal_width
2475 12      0.550725      0.705882      0.101695      0.
              041667
2476 Point: 25      sepal_length  sepal_width
              petal_length  petal_width
2477 25      0.550725      0.705882      0.152542      0.
              041667
2478 Cluster 144:
2479 7 points:
2480 Point: 119      sepal_length  sepal_width
              petal_length  petal_width
2481 119      0.971014      0.470588      1.0      0.

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2481	916667				
2482	Point: 136	sepal_length	sepal_width		
	petal_length	petal_width			
2483	136	0.971014	0.588235	0.864407	0.
	916667				
2484	Point: 106	sepal_length	sepal_width		
	petal_length	petal_width			
2485	106	0.956522	0.588235	0.949153	0.
	833333				
2486	Point: 123	sepal_length	sepal_width		
	petal_length	petal_width			
2487	123	0.971014	0.529412	0.966102	0.
	791667				
2488	Point: 110	sepal_length	sepal_width		
	petal_length	petal_width			
2489	110	0.898551	0.764706	0.864407	
	1.0				
2490	Point: 118	sepal_length	sepal_width		
	petal_length	petal_width			
2491	118	0.971014	0.823529	0.966102	
	0.875				
2492	Point: 132	sepal_length	sepal_width		
	petal_length	petal_width			
2493	132	1.0	0.823529	0.915254	0.
	791667				
2494	Cluster 145:				
2495	48 points:				
2496	Point: 115	sepal_length	sepal_width		
	petal_length	petal_width			
2497	115	0.695652	0.529412	0.694915	0.
	958333				
2498	Point: 103	sepal_length	sepal_width		
	petal_length	petal_width			
2499	103	0.884058	0.588235	0.830508	0.
	833333				
2500	Point: 105	sepal_length	sepal_width		
	petal_length	petal_width			
2501	105	0.797101	0.588235	0.813559	
	0.875				
2502	Point: 129	sepal_length	sepal_width		
	petal_length	petal_width			

2503	129	0.782609	0.529412	0.779661	0.
	833333				
2504	Point: 133	sepal_length	sepal_width		
		petal_length	petal_width		
2505	133	0.782609	0.529412	0.779661	
		0.875			
2506	Point: 125	sepal_length	sepal_width		
		petal_length	petal_width		
2507	125	0.826087	0.676471	0.79661	0.
	833333				
2508	Point: 113	sepal_length	sepal_width		
		petal_length	petal_width		
2509	113	0.84058	0.588235	0.762712	0.
	833333				
2510	Point: 140	sepal_length	sepal_width		
		petal_length	petal_width		
2511	140	0.855072	0.617647	0.745763	0.
	833333				
2512	Point: 111	sepal_length	sepal_width		
		petal_length	petal_width		
2513	111	0.797101	0.647059	0.694915	0.
	791667				
2514	Point: 148	sepal_length	sepal_width		
		petal_length	petal_width		
2515	148	0.797101	0.588235	0.711864	0.
	791667				
2516	Point: 142	sepal_length	sepal_width		
		petal_length	petal_width		
2517	142	0.855072	0.617647	0.694915	0.
	916667				
2518	Point: 146	sepal_length	sepal_width		
		petal_length	petal_width		
2519	146	0.826087	0.588235	0.711864	0.
	916667				
2520	Point: 116	sepal_length	sepal_width		
		petal_length	petal_width		
2521	116	0.782609	0.647059	0.728814	0.
	916667				
2522	Point: 137	sepal_length	sepal_width		
		petal_length	petal_width		
2523	137	0.768116	0.705882	0.779661	0.

2523	958333				
2524	Point: 149	sepal_length	sepal_width		
		petal_length	petal_width		
2525	149	0.753623	0.705882	0.745763	0.
		916667			
2526	Point: 141	sepal_length	sepal_width		
		petal_length	petal_width		
2527	141	0.826087	0.617647	0.779661	0.
		958333			
2528	Point: 121	sepal_length	sepal_width		
		petal_length	petal_width		
2529	121	0.855072	0.647059	0.79661	0.
		916667			
2530	Point: 144	sepal_length	sepal_width		
		petal_length	petal_width		
2531	144	0.84058	0.647059	0.830508	0.
		916667			
2532	Point: 101	sepal_length	sepal_width		
		petal_length	petal_width		
2533	101	0.768116	0.676471	0.847458	
		1.0			
2534	Point: 145	sepal_length	sepal_width		
		petal_length	petal_width		
2535	145	0.826087	0.676471	0.79661	
		1.0			
2536	Point: 114	sepal_length	sepal_width		
		petal_length	petal_width		
2537	114	0.681159	0.441176	0.677966	0.
		791667			
2538	Point: 143	sepal_length	sepal_width		
		petal_length	petal_width		
2539	143	0.695652	0.5	0.694915	
		0.75			
2540	Point: 102	sepal_length	sepal_width		
		petal_length	petal_width		
2541	102	0.695652	0.5	0.694915	
		0.75			
2542	Point: 122	sepal_length	sepal_width		
		petal_length	petal_width		
2543	122	0.666667	0.529412	0.661017	0.
		791667			

	Point:	124	sepal_length	sepal_width	petal_length	petal_width	
2544	Point:	124	sepal_length	sepal_width	petal_length	petal_width	
2545	124	0.768116		0.5	0.661017	0.	708333
2546	Point:	127	sepal_length	sepal_width	petal_length	petal_width	
2547	127	0.753623		0.529412	0.644068	0.	708333
2548	Point:	112	sepal_length	sepal_width	petal_length	petal_width	
2549	112	0.782609		0.5	0.728814	0.	75
2550	Point:	147	sepal_length	sepal_width	petal_length	petal_width	
2551	147	0.768116		0.441176	0.677966	0.	75
2552	Point:	71	sepal_length	sepal_width	petal_length	petal_width	
2553	71	0.710145		0.647059	0.644068	0.	708333
2554	Point:	150	sepal_length	sepal_width	petal_length	petal_width	
2555	150	0.710145		0.588235	0.694915	0.	708333
2556	Point:	128	sepal_length	sepal_width	petal_length	petal_width	
2557	128	0.73913		0.588235	0.661017	0.	708333
2558	Point:	139	sepal_length	sepal_width	petal_length	petal_width	
2559	139	0.724638		0.588235	0.644068	0.	708333
2560	Point:	78	sepal_length	sepal_width	petal_length	petal_width	
2561	78	0.826087		0.588235	0.677966	0.	666667
2562	Point:	104	sepal_length	sepal_width	petal_length	petal_width	
2563	104	0.768116		0.558824	0.779661	0.	708333
2564	Point:	117	sepal_length	sepal_width			

	petal_length	petal_width			
2564	petal_length	petal_width			
2565	117	0.797101	0.588235	0.762712	0.
	708333				
2566	Point: 138	sepal_length	sepal_width		
	petal_length	petal_width			
2567	138	0.782609	0.617647	0.762712	0.
	708333				
2568	Point: 109	sepal_length	sepal_width		
	petal_length	petal_width			
2569	109	0.826087	0.441176	0.813559	0.
	708333				
2570	Point: 108	sepal_length	sepal_width		
	petal_length	petal_width			
2571	108	0.913043	0.558824	0.898305	0.
	708333				
2572	Point: 131	sepal_length	sepal_width		
	petal_length	petal_width			
2573	131	0.927536	0.529412	0.864407	
	0.75				
2574	Point: 126	sepal_length	sepal_width		
	petal_length	petal_width			
2575	126	0.898551	0.647059	0.847458	0.
	708333				
2576	Point: 130	sepal_length	sepal_width		
	petal_length	petal_width			
2577	130	0.898551	0.588235	0.813559	
	0.625				
2578	Point: 119	sepal_length	sepal_width		
	petal_length	petal_width			
2579	119	0.971014	0.470588	1.0	0.
	916667				
2580	Point: 136	sepal_length	sepal_width		
	petal_length	petal_width			
2581	136	0.971014	0.588235	0.864407	0.
	916667				
2582	Point: 106	sepal_length	sepal_width		
	petal_length	petal_width			
2583	106	0.956522	0.588235	0.949153	0.
	833333				
2584	Point: 123	sepal_length	sepal_width		
	petal_length	petal_width			

2585	123	0.971014	0.529412	0.966102	0.
	791667				
2586	Point: 110	sepal_length	sepal_width		
	petal_length	petal_width			
2587	110	0.898551	0.764706	0.864407	
	1.0				
2588	Point: 118	sepal_length	sepal_width		
	petal_length	petal_width			
2589	118	0.971014	0.823529	0.966102	
	0.875				
2590	Point: 132	sepal_length	sepal_width		
	petal_length	petal_width			
2591	132	1.0	0.823529	0.915254	0.
	791667				
2592	Cluster 146:				
2593	50 points:				
2594	Point: 16	sepal_length	sepal_width		
	petal_length	petal_width			
2595	16	0.681159	1.0	0.084746	
	0.125				
2596	Point: 17	sepal_length	sepal_width		
	petal_length	petal_width			
2597	17	0.637681	0.852941	0.050847	
	0.125				
2598	Point: 19	sepal_length	sepal_width		
	petal_length	petal_width			
2599	19	0.681159	0.823529	0.118644	0.
	083333				
2600	Point: 11	sepal_length	sepal_width		
	petal_length	petal_width			
2601	11	0.637681	0.794118	0.084746	0.
	041667				
2602	Point: 49	sepal_length	sepal_width		
	petal_length	petal_width			
2603	49	0.623188	0.794118	0.084746	0.
	041667				
2604	Point: 20	sepal_length	sepal_width		
	petal_length	petal_width			
2605	20	0.594203	0.823529	0.084746	0.
	083333				
2606	Point: 47	sepal_length	sepal_width		

2606	petal_length	petal_width			
2607	47	0.594203	0.823529	0.101695	0.
	041667				
2608	Point: 22	sepal_length	sepal_width		
	petal_length	petal_width			
2609	22	0.594203	0.794118	0.084746	
	0.125				
2610	Point: 6	sepal_length	sepal_width	petal_length	
	petal_width				
2611	6	0.637681	0.852941	0.118644	0
	.125				
2612	Point: 45	sepal_length	sepal_width		
	petal_length	petal_width			
2613	45	0.594203	0.823529	0.152542	
	0.125				
2614	Point: 15	sepal_length	sepal_width		
	petal_length	petal_width			
2615	15	0.695652	0.882353	0.033898	0.
	041667				
2616	Point: 33	sepal_length	sepal_width		
	petal_length	petal_width			
2617	33	0.608696	0.911765	0.084746	
	0.0				
2618	Point: 34	sepal_length	sepal_width		
	petal_length	petal_width			
2619	34	0.652174	0.941176	0.067797	0.
	041667				
2620	Point: 42	sepal_length	sepal_width		
	petal_length	petal_width			
2621	42	0.507246	0.382353	0.050847	0.
	083333				
2622	Point: 14	sepal_length	sepal_width		
	petal_length	petal_width			
2623	14	0.478261	0.588235	0.016949	
	0.0				
2624	Point: 9	sepal_length	sepal_width	petal_length	
	petal_width				
2625	9	0.492754	0.558824	0.067797	0.
	041667				
2626	Point: 39	sepal_length	sepal_width		
	petal_length	petal_width			

2627	39	0.492754	0.588235	0.050847	0.
	041667				
2628	Point: 23	sepal_length	sepal_width		
	petal_length	petal_width			
2629	23	0.521739	0.764706	0.0	0.
	041667				
2630	Point: 44	sepal_length	sepal_width		
	petal_length	petal_width			
2631	44	0.57971	0.735294	0.101695	0.
	208333				
2632	Point: 32	sepal_length	sepal_width		
	petal_length	petal_width			
2633	32	0.637681	0.705882	0.084746	
	0.125				
2634	Point: 24	sepal_length	sepal_width		
	petal_length	petal_width			
2635	24	0.594203	0.676471	0.118644	0.
	166667				
2636	Point: 27	sepal_length	sepal_width		
	petal_length	petal_width			
2637	27	0.57971	0.705882	0.101695	
	0.125				
2638	Point: 21	sepal_length	sepal_width		
	petal_length	petal_width			
2639	21	0.637681	0.705882	0.118644	0.
	041667				
2640	Point: 37	sepal_length	sepal_width		
	petal_length	petal_width			
2641	37	0.652174	0.735294	0.050847	0.
	041667				
2642	Point: 5	sepal_length	sepal_width	petal_length	
	petal_width				
2643	5	0.57971	0.764706	0.067797	0.
	041667				
2644	Point: 18	sepal_length	sepal_width		
	petal_length	petal_width			
2645	18	0.594203	0.735294	0.067797	0.
	083333				
2646	Point: 41	sepal_length	sepal_width		
	petal_length	petal_width			
2647	41	0.57971	0.735294	0.050847	0.

2647	083333				
2648	Point:	1	sepal_length	sepal_width	petal_length
			petal_width		
2649	1	0.594203	0.735294	0.067797	0.
		041667			
2650	Point:	28	sepal_length	sepal_width	
			petal_length	petal_width	
2651	28	0.608696	0.735294	0.084746	0.
		041667			
2652	Point:	29	sepal_length	sepal_width	
			petal_length	petal_width	
2653	29	0.608696	0.705882	0.067797	0.
		041667			
2654	Point:	8	sepal_length	sepal_width	petal_length
			petal_width		
2655	8	0.57971	0.705882	0.084746	0.
		041667			
2656	Point:	40	sepal_length	sepal_width	
			petal_length	petal_width	
2657	40	0.594203	0.705882	0.084746	0.
		041667			
2658	Point:	36	sepal_length	sepal_width	
			petal_length	petal_width	
2659	36	0.57971	0.647059	0.033898	0.
		041667			
2660	Point:	50	sepal_length	sepal_width	
			petal_length	petal_width	
2661	50	0.57971	0.676471	0.067797	0.
		041667			
2662	Point:	46	sepal_length	sepal_width	
			petal_length	petal_width	
2663	46	0.550725	0.588235	0.067797	0.
		083333			
2664	Point:	4	sepal_length	sepal_width	petal_length
			petal_width		
2665	4	0.521739	0.617647	0.084746	0.
		041667			
2666	Point:	30	sepal_length	sepal_width	
			petal_length	petal_width	
2667	30	0.536232	0.647059	0.101695	0.
		041667			

2668	Point:	31	sepal_length	sepal_width	
			petal_length	petal_width	
2669	31	0.550725	0.617647	0.101695	0.
			041667		
2670	Point:	43	sepal_length	sepal_width	
			petal_length	petal_width	
2671	43	0.492754	0.647059	0.050847	0.
			041667		
2672	Point:	3	sepal_length	sepal_width	petal_length
			petal_width		
2673	3	0.536232	0.647059	0.050847	0.
			041667		
2674	Point:	48	sepal_length	sepal_width	
			petal_length	petal_width	
2675	48	0.521739	0.647059	0.067797	0.
			041667		
2676	Point:	2	sepal_length	sepal_width	petal_length
			petal_width		
2677	2	0.565217	0.588235	0.067797	0.
			041667		
2678	Point:	26	sepal_length	sepal_width	
			petal_length	petal_width	
2679	26	0.57971	0.588235	0.101695	0.
			041667		
2680	Point:	38	sepal_length	sepal_width	
			petal_length	petal_width	
2681	38	0.565217	0.617647	0.084746	
			0.0		
2682	Point:	35	sepal_length	sepal_width	
			petal_length	petal_width	
2683	35	0.565217	0.617647	0.084746	
			0.0		
2684	Point:	10	sepal_length	sepal_width	
			petal_length	petal_width	
2685	10	0.565217	0.617647	0.084746	
			0.0		
2686	Point:	13	sepal_length	sepal_width	
			petal_length	petal_width	
2687	13	0.550725	0.588235	0.067797	
			0.0		
2688	Point:	7	sepal_length	sepal_width	petal_length

2688	petal_width				
2689	7	0.521739	0.705882	0.067797	0.
	083333				
2690	Point: 12	sepal_length	sepal_width		
	petal_length	petal_width			
2691	12	0.550725	0.705882	0.101695	0.
	041667				
2692	Point: 25	sepal_length	sepal_width		
	petal_length	petal_width			
2693	25	0.550725	0.705882	0.152542	0.
	041667				
2694	Cluster 147:				
2695	100 points:				
2696	Point: 107	sepal_length	sepal_width		
	petal_length	petal_width			
2697	107	0.565217	0.441176	0.59322	0.
	666667				
2698	Point: 88	sepal_length	sepal_width		
	petal_length	petal_width			
2699	88	0.768116	0.382353	0.576271	
	0.5				
2700	Point: 69	sepal_length	sepal_width		
	petal_length	petal_width			
2701	69	0.753623	0.352941	0.59322	0.
	583333				
2702	Point: 120	sepal_length	sepal_width		
	petal_length	petal_width			
2703	120	0.724638	0.352941	0.677966	0.
	583333				
2704	Point: 135	sepal_length	sepal_width		
	petal_length	petal_width			
2705	135	0.73913	0.470588	0.779661	0.
	541667				
2706	Point: 73	sepal_length	sepal_width		
	petal_length	petal_width			
2707	73	0.768116	0.441176	0.661017	0.
	583333				
2708	Point: 84	sepal_length	sepal_width		
	petal_length	petal_width			
2709	84	0.724638	0.5	0.694915	
	0.625				

		sepal_length	sepal_width		
2710	Point: 134	sepal_length	sepal_width		
		petal_length	petal_width		
2711	134	0.768116	0.529412	0.694915	0.
	583333				
2712	Point: 74	sepal_length	sepal_width		
		petal_length	petal_width		
2713	74	0.73913	0.529412	0.627119	0.
	458333				
2714	Point: 55	sepal_length	sepal_width		
		petal_length	petal_width		
2715	55	0.797101	0.529412	0.610169	0.
	583333				
2716	Point: 59	sepal_length	sepal_width		
		petal_length	petal_width		
2717	59	0.811594	0.558824	0.610169	0.
	0.5				
2718	Point: 77	sepal_length	sepal_width		
		petal_length	petal_width		
2719	77	0.84058	0.529412	0.644068	0.
	541667				
2720	Point: 66	sepal_length	sepal_width		
		petal_length	petal_width		
2721	66	0.826087	0.617647	0.576271	0.
	541667				
2722	Point: 76	sepal_length	sepal_width		
		petal_length	petal_width		
2723	76	0.811594	0.588235	0.576271	0.
	541667				
2724	Point: 51	sepal_length	sepal_width		
		petal_length	petal_width		
2725	51	0.869565	0.647059	0.627119	0.
	541667				
2726	Point: 53	sepal_length	sepal_width		
		petal_length	petal_width		
2727	53	0.855072	0.617647	0.661017	0.
	583333				
2728	Point: 87	sepal_length	sepal_width		
		petal_length	petal_width		
2729	87	0.826087	0.617647	0.627119	0.
	583333				
2730	Point: 52	sepal_length	sepal_width		

2730	petal_length	petal_width			
2731	52	0.782609	0.647059	0.59322	0.
	583333				
2732	Point: 57	sepal_length	sepal_width		
		petal_length	petal_width		
2733	57	0.768116	0.676471	0.627119	
	0.625				
2734	Point: 86	sepal_length	sepal_width		
		petal_length	petal_width		
2735	86	0.724638	0.705882	0.59322	
	0.625				
2736	Point: 67	sepal_length	sepal_width		
		petal_length	petal_width		
2737	67	0.666667	0.588235	0.59322	0.
	583333				
2738	Point: 85	sepal_length	sepal_width		
		petal_length	petal_width		
2739	85	0.637681	0.588235	0.59322	0.
	583333				
2740	Point: 62	sepal_length	sepal_width		
		petal_length	petal_width		
2741	62	0.710145	0.588235	0.542373	0.
	583333				
2742	Point: 79	sepal_length	sepal_width		
		petal_length	petal_width		
2743	79	0.724638	0.558824	0.59322	0.
	583333				
2744	Point: 64	sepal_length	sepal_width		
		petal_length	petal_width		
2745	64	0.73913	0.558824	0.627119	0.
	541667				
2746	Point: 92	sepal_length	sepal_width		
		petal_length	petal_width		
2747	92	0.73913	0.588235	0.610169	0.
	541667				
2748	Point: 60	sepal_length	sepal_width		
		petal_length	petal_width		
2749	60	0.608696	0.5	0.491525	0.
	541667				
2750	Point: 65	sepal_length	sepal_width		
		petal_length	petal_width		

2751	65	0.666667	0.558824	0.440678	
		0.5			
2752	Point: 54	sepal_length	sepal_width		
		petal_length	petal_width		
2753	54	0.652174	0.382353	0.508475	
		0.5			
2754	Point: 90	sepal_length	sepal_width		
		petal_length	petal_width		
2755	90	0.652174	0.441176	0.508475	
		0.5			
2756	Point: 80	sepal_length	sepal_width		
		petal_length	petal_width		
2757	80	0.681159	0.470588	0.423729	
		0.375			
2758	Point: 82	sepal_length	sepal_width		
		petal_length	petal_width		
2759	82	0.652174	0.411765	0.457627	
		0.375			
2760	Point: 70	sepal_length	sepal_width		
		petal_length	petal_width		
2761	70	0.666667	0.441176	0.491525	0.
		416667			
2762	Point: 81	sepal_length	sepal_width		
		petal_length	petal_width		
2763	81	0.652174	0.411765	0.474576	0.
		416667			
2764	Point: 68	sepal_length	sepal_width		
		petal_length	petal_width		
2765	68	0.695652	0.5	0.525424	
		0.375			
2766	Point: 91	sepal_length	sepal_width		
		petal_length	petal_width		
2767	91	0.652174	0.470588	0.576271	0.
		458333			
2768	Point: 83	sepal_length	sepal_width		
		petal_length	petal_width		
2769	83	0.695652	0.5	0.491525	0.
		458333			
2770	Point: 93	sepal_length	sepal_width		
		petal_length	petal_width		
2771	93	0.695652	0.470588	0.508475	0.

2771	458333			
2772	Point:	72	sepal_length	sepal_width
		petal_length	petal_width	
2773	72	0.73913	0.529412	0.508475
		0.5		
2774	Point:	75	sepal_length	sepal_width
		petal_length	petal_width	
2775	75	0.782609	0.558824	0.559322
		0.5		
2776	Point:	98	sepal_length	sepal_width
		petal_length	petal_width	
2777	98	0.753623	0.558824	0.559322
		0.5		
2778	Point:	89	sepal_length	sepal_width
		petal_length	petal_width	
2779	89	0.666667	0.588235	0.525424
		0.5		
2780	Point:	96	sepal_length	sepal_width
		petal_length	petal_width	
2781	96	0.681159	0.588235	0.542373
	458333			0.
2782	Point:	56	sepal_length	sepal_width
		petal_length	petal_width	
2783	56	0.681159	0.529412	0.59322
		0.5		
2784	Point:	95	sepal_length	sepal_width
		petal_length	petal_width	
2785	95	0.666667	0.5	0.542373
		0.5		
2786	Point:	97	sepal_length	sepal_width
		petal_length	petal_width	
2787	97	0.681159	0.558824	0.542373
		0.5		
2788	Point:	100	sepal_length	sepal_width
		petal_length	petal_width	
2789	100	0.681159	0.529412	0.525424
		0.5		
2790	Point:	63	sepal_length	sepal_width
		petal_length	petal_width	
2791	63	0.724638	0.352941	0.508475
		0.375		

	Point:	61	sepal_length	sepal_width	petal_length	petal_width	
2792		61	0.57971	0.294118	0.423729	0.375	
2793		99	0.594203	0.441176	0.338983	0.416667	0.
2794		58	0.565217	0.411765	0.389831	0.375	
2795		94	0.57971	0.382353	0.389831	0.375	
2796		115	0.695652	0.529412	0.694915	0.958333	0.
2797		103	0.884058	0.588235	0.830508	0.833333	
2798		105	0.797101	0.588235	0.813559	0.875	
2799		129	0.782609	0.529412	0.779661	0.833333	
2800		133	0.782609	0.529412	0.779661	0.875	
2801		125	0.826087	0.676471	0.79661	0.833333	
2802		113					

2812	petal_length	petal_width			
2813	113	0.84058	0.588235	0.762712	0.
	833333				
2814	Point: 140	sepal_length	sepal_width		
	petal_length	petal_width			
2815	140	0.855072	0.617647	0.745763	0.
	833333				
2816	Point: 111	sepal_length	sepal_width		
	petal_length	petal_width			
2817	111	0.797101	0.647059	0.694915	0.
	791667				
2818	Point: 148	sepal_length	sepal_width		
	petal_length	petal_width			
2819	148	0.797101	0.588235	0.711864	0.
	791667				
2820	Point: 142	sepal_length	sepal_width		
	petal_length	petal_width			
2821	142	0.855072	0.617647	0.694915	0.
	916667				
2822	Point: 146	sepal_length	sepal_width		
	petal_length	petal_width			
2823	146	0.826087	0.588235	0.711864	0.
	916667				
2824	Point: 116	sepal_length	sepal_width		
	petal_length	petal_width			
2825	116	0.782609	0.647059	0.728814	0.
	916667				
2826	Point: 137	sepal_length	sepal_width		
	petal_length	petal_width			
2827	137	0.768116	0.705882	0.779661	0.
	958333				
2828	Point: 149	sepal_length	sepal_width		
	petal_length	petal_width			
2829	149	0.753623	0.705882	0.745763	0.
	916667				
2830	Point: 141	sepal_length	sepal_width		
	petal_length	petal_width			
2831	141	0.826087	0.617647	0.779661	0.
	958333				
2832	Point: 121	sepal_length	sepal_width		
	petal_length	petal_width			

2833	121	0.855072	0.647059	0.79661	0.
	916667				
2834	Point: 144	sepal_length	sepal_width		
		petal_length	petal_width		
2835	144	0.84058	0.647059	0.830508	0.
	916667				
2836	Point: 101	sepal_length	sepal_width		
		petal_length	petal_width		
2837	101	0.768116	0.676471	0.847458	
		1.0			
2838	Point: 145	sepal_length	sepal_width		
		petal_length	petal_width		
2839	145	0.826087	0.676471	0.79661	
		1.0			
2840	Point: 114	sepal_length	sepal_width		
		petal_length	petal_width		
2841	114	0.681159	0.441176	0.677966	0.
	791667				
2842	Point: 143	sepal_length	sepal_width		
		petal_length	petal_width		
2843	143	0.695652	0.5	0.694915	
		0.75			
2844	Point: 102	sepal_length	sepal_width		
		petal_length	petal_width		
2845	102	0.695652	0.5	0.694915	
		0.75			
2846	Point: 122	sepal_length	sepal_width		
		petal_length	petal_width		
2847	122	0.666667	0.529412	0.661017	0.
	791667				
2848	Point: 124	sepal_length	sepal_width		
		petal_length	petal_width		
2849	124	0.768116	0.5	0.661017	0.
	708333				
2850	Point: 127	sepal_length	sepal_width		
		petal_length	petal_width		
2851	127	0.753623	0.529412	0.644068	0.
	708333				
2852	Point: 112	sepal_length	sepal_width		
		petal_length	petal_width		
2853	112	0.782609	0.5	0.728814	

2853	0.75				
2854	Point: 147	sepal_length	sepal_width		
		petal_length	petal_width		
2855	147	0.768116	0.441176	0.677966	
		0.75			
2856	Point: 71	sepal_length	sepal_width		
		petal_length	petal_width		
2857	71	0.710145	0.647059	0.644068	0.
		708333			
2858	Point: 150	sepal_length	sepal_width		
		petal_length	petal_width		
2859	150	0.710145	0.588235	0.694915	0.
		708333			
2860	Point: 128	sepal_length	sepal_width		
		petal_length	petal_width		
2861	128	0.73913	0.588235	0.661017	0.
		708333			
2862	Point: 139	sepal_length	sepal_width		
		petal_length	petal_width		
2863	139	0.724638	0.588235	0.644068	0.
		708333			
2864	Point: 78	sepal_length	sepal_width		
		petal_length	petal_width		
2865	78	0.826087	0.588235	0.677966	0.
		666667			
2866	Point: 104	sepal_length	sepal_width		
		petal_length	petal_width		
2867	104	0.768116	0.558824	0.779661	0.
		708333			
2868	Point: 117	sepal_length	sepal_width		
		petal_length	petal_width		
2869	117	0.797101	0.588235	0.762712	0.
		708333			
2870	Point: 138	sepal_length	sepal_width		
		petal_length	petal_width		
2871	138	0.782609	0.617647	0.762712	0.
		708333			
2872	Point: 109	sepal_length	sepal_width		
		petal_length	petal_width		
2873	109	0.826087	0.441176	0.813559	0.
		708333			

2874	Point: 108	sepal_length	sepal_width		
		petal_length	petal_width		
2875	108	0.913043	0.558824	0.898305	0.
	708333				
2876	Point: 131	sepal_length	sepal_width		
		petal_length	petal_width		
2877	131	0.927536	0.529412	0.864407	
	0.75				
2878	Point: 126	sepal_length	sepal_width		
		petal_length	petal_width		
2879	126	0.898551	0.647059	0.847458	0.
	708333				
2880	Point: 130	sepal_length	sepal_width		
		petal_length	petal_width		
2881	130	0.898551	0.588235	0.813559	
	0.625				
2882	Point: 119	sepal_length	sepal_width		
		petal_length	petal_width		
2883	119	0.971014	0.470588	1.0	0.
	916667				
2884	Point: 136	sepal_length	sepal_width		
		petal_length	petal_width		
2885	136	0.971014	0.588235	0.864407	0.
	916667				
2886	Point: 106	sepal_length	sepal_width		
		petal_length	petal_width		
2887	106	0.956522	0.588235	0.949153	0.
	833333				
2888	Point: 123	sepal_length	sepal_width		
		petal_length	petal_width		
2889	123	0.971014	0.529412	0.966102	0.
	791667				
2890	Point: 110	sepal_length	sepal_width		
		petal_length	petal_width		
2891	110	0.898551	0.764706	0.864407	
	1.0				
2892	Point: 118	sepal_length	sepal_width		
		petal_length	petal_width		
2893	118	0.971014	0.823529	0.966102	
	0.875				
2894	Point: 132	sepal_length	sepal_width		

	petal_length	petal_width			
2894					
2895	132	1.0	0.823529	0.915254	0.
	791667				
2896	Cluster 148:				
2897	150 points:				
2898	Point: 16	sepal_length	sepal_width		
	petal_length	petal_width			
2899	16	0.681159	1.0	0.084746	
	0.125				
2900	Point: 17	sepal_length	sepal_width		
	petal_length	petal_width			
2901	17	0.637681	0.852941	0.050847	
	0.125				
2902	Point: 19	sepal_length	sepal_width		
	petal_length	petal_width			
2903	19	0.681159	0.823529	0.118644	0.
	083333				
2904	Point: 11	sepal_length	sepal_width		
	petal_length	petal_width			
2905	11	0.637681	0.794118	0.084746	0.
	041667				
2906	Point: 49	sepal_length	sepal_width		
	petal_length	petal_width			
2907	49	0.623188	0.794118	0.084746	0.
	041667				
2908	Point: 20	sepal_length	sepal_width		
	petal_length	petal_width			
2909	20	0.594203	0.823529	0.084746	0.
	083333				
2910	Point: 47	sepal_length	sepal_width		
	petal_length	petal_width			
2911	47	0.594203	0.823529	0.101695	0.
	041667				
2912	Point: 22	sepal_length	sepal_width		
	petal_length	petal_width			
2913	22	0.594203	0.794118	0.084746	
	0.125				
2914	Point: 6	sepal_length	sepal_width	petal_length	
	petal_width				
2915	6	0.637681	0.852941	0.118644	0
	.125				

2916	Point:	45	sepal_length	sepal_width	
			petal_length	petal_width	
2917	45	0.594203	0.823529	0.152542	
		0.125			
2918	Point:	15	sepal_length	sepal_width	
			petal_length	petal_width	
2919	15	0.695652	0.882353	0.033898	0.
		0.041667			
2920	Point:	33	sepal_length	sepal_width	
			petal_length	petal_width	
2921	33	0.608696	0.911765	0.084746	
		0.0			
2922	Point:	34	sepal_length	sepal_width	
			petal_length	petal_width	
2923	34	0.652174	0.941176	0.067797	0.
		0.041667			
2924	Point:	42	sepal_length	sepal_width	
			petal_length	petal_width	
2925	42	0.507246	0.382353	0.050847	0.
		0.083333			
2926	Point:	14	sepal_length	sepal_width	
			petal_length	petal_width	
2927	14	0.478261	0.588235	0.016949	
		0.0			
2928	Point:	9	sepal_length	sepal_width	petal_length
			petal_length	petal_width	
2929	9	0.492754	0.558824	0.067797	0.
		0.041667			
2930	Point:	39	sepal_length	sepal_width	
			petal_length	petal_width	
2931	39	0.492754	0.588235	0.050847	0.
		0.041667			
2932	Point:	23	sepal_length	sepal_width	
			petal_length	petal_width	
2933	23	0.521739	0.764706	0.0	0.
		0.041667			
2934	Point:	44	sepal_length	sepal_width	
			petal_length	petal_width	
2935	44	0.57971	0.735294	0.101695	0.
		0.083333			
2936	Point:	32	sepal_length	sepal_width	

2936	petal_length	petal_width			
2937	32	0.637681	0.705882	0.084746	
	0.125				
2938	Point: 24	sepal_length	sepal_width		
	petal_length	petal_width			
2939	24	0.594203	0.676471	0.118644	0.
	0.166667				
2940	Point: 27	sepal_length	sepal_width		
	petal_length	petal_width			
2941	27	0.57971	0.705882	0.101695	
	0.125				
2942	Point: 21	sepal_length	sepal_width		
	petal_length	petal_width			
2943	21	0.637681	0.705882	0.118644	0.
	0.041667				
2944	Point: 37	sepal_length	sepal_width		
	petal_length	petal_width			
2945	37	0.652174	0.735294	0.050847	0.
	0.041667				
2946	Point: 5	sepal_length	sepal_width	petal_length	
	petal_width				
2947	5	0.57971	0.764706	0.067797	0.
	0.041667				
2948	Point: 18	sepal_length	sepal_width		
	petal_length	petal_width			
2949	18	0.594203	0.735294	0.067797	0.
	0.083333				
2950	Point: 41	sepal_length	sepal_width		
	petal_length	petal_width			
2951	41	0.57971	0.735294	0.050847	0.
	0.083333				
2952	Point: 1	sepal_length	sepal_width	petal_length	
	petal_width				
2953	1	0.594203	0.735294	0.067797	0.
	0.041667				
2954	Point: 28	sepal_length	sepal_width		
	petal_length	petal_width			
2955	28	0.608696	0.735294	0.084746	0.
	0.041667				
2956	Point: 29	sepal_length	sepal_width		
	petal_length	petal_width			

2957	29	0.608696	0.705882	0.067797	0.
	041667				
2958	Point: 8	sepal_length	sepal_width	petal_length	
		petal_width			
2959	8	0.57971	0.705882	0.084746	0.
	041667				
2960	Point: 40	sepal_length	sepal_width		
		petal_length	petal_width		
2961	40	0.594203	0.705882	0.084746	0.
	041667				
2962	Point: 36	sepal_length	sepal_width		
		petal_length	petal_width		
2963	36	0.57971	0.647059	0.033898	0.
	041667				
2964	Point: 50	sepal_length	sepal_width		
		petal_length	petal_width		
2965	50	0.57971	0.676471	0.067797	0.
	041667				
2966	Point: 46	sepal_length	sepal_width		
		petal_length	petal_width		
2967	46	0.550725	0.588235	0.067797	0.
	083333				
2968	Point: 4	sepal_length	sepal_width	petal_length	
		petal_width			
2969	4	0.521739	0.617647	0.084746	0.
	041667				
2970	Point: 30	sepal_length	sepal_width		
		petal_length	petal_width		
2971	30	0.536232	0.647059	0.101695	0.
	041667				
2972	Point: 31	sepal_length	sepal_width		
		petal_length	petal_width		
2973	31	0.550725	0.617647	0.101695	0.
	041667				
2974	Point: 43	sepal_length	sepal_width		
		petal_length	petal_width		
2975	43	0.492754	0.647059	0.050847	0.
	041667				
2976	Point: 3	sepal_length	sepal_width	petal_length	
		petal_width			
2977	3	0.536232	0.647059	0.050847	0.

2977	041667				
2978	Point:	48	sepal_length	sepal_width	
		petal_length	petal_width		
2979	48	0.521739	0.647059	0.067797	0.
	041667				
2980	Point:	2	sepal_length	sepal_width	petal_length
		petal_width			
2981	2	0.565217	0.588235	0.067797	0.
	041667				
2982	Point:	26	sepal_length	sepal_width	
		petal_length	petal_width		
2983	26	0.57971	0.588235	0.101695	0.
	041667				
2984	Point:	38	sepal_length	sepal_width	
		petal_length	petal_width		
2985	38	0.565217	0.617647	0.084746	
	0.0				
2986	Point:	35	sepal_length	sepal_width	
		petal_length	petal_width		
2987	35	0.565217	0.617647	0.084746	
	0.0				
2988	Point:	10	sepal_length	sepal_width	
		petal_length	petal_width		
2989	10	0.565217	0.617647	0.084746	
	0.0				
2990	Point:	13	sepal_length	sepal_width	
		petal_length	petal_width		
2991	13	0.550725	0.588235	0.067797	
	0.0				
2992	Point:	7	sepal_length	sepal_width	petal_length
		petal_width			
2993	7	0.521739	0.705882	0.067797	0.
	083333				
2994	Point:	12	sepal_length	sepal_width	
		petal_length	petal_width		
2995	12	0.550725	0.705882	0.101695	0.
	041667				
2996	Point:	25	sepal_length	sepal_width	
		petal_length	petal_width		
2997	25	0.550725	0.705882	0.152542	0.
	041667				

		sepal_length	sepal_width		
		petal_length	petal_width		
2998	Point: 107	sepal_length	sepal_width		
		petal_length	petal_width		
2999	107	0.565217	0.441176	0.59322	0.
	666667				
3000	Point: 88	sepal_length	sepal_width		
		petal_length	petal_width		
3001	88	0.768116	0.382353	0.576271	0.
	0.5				
3002	Point: 69	sepal_length	sepal_width		
		petal_length	petal_width		
3003	69	0.753623	0.352941	0.59322	0.
	583333				
3004	Point: 120	sepal_length	sepal_width		
		petal_length	petal_width		
3005	120	0.724638	0.352941	0.677966	0.
	583333				
3006	Point: 135	sepal_length	sepal_width		
		petal_length	petal_width		
3007	135	0.73913	0.470588	0.779661	0.
	541667				
3008	Point: 73	sepal_length	sepal_width		
		petal_length	petal_width		
3009	73	0.768116	0.441176	0.661017	0.
	583333				
3010	Point: 84	sepal_length	sepal_width		
		petal_length	petal_width		
3011	84	0.724638	0.5	0.694915	0.
	0.625				
3012	Point: 134	sepal_length	sepal_width		
		petal_length	petal_width		
3013	134	0.768116	0.529412	0.694915	0.
	583333				
3014	Point: 74	sepal_length	sepal_width		
		petal_length	petal_width		
3015	74	0.73913	0.529412	0.627119	0.
	458333				
3016	Point: 55	sepal_length	sepal_width		
		petal_length	petal_width		
3017	55	0.797101	0.529412	0.610169	0.
	583333				
3018	Point: 59	sepal_length	sepal_width		

3018	petal_length	petal_width			
3019	59	0.811594	0.558824	0.610169	
		0.5			
3020	Point: 77	sepal_length	sepal_width		
		petal_length	petal_width		
3021	77	0.84058	0.529412	0.644068	0.
		541667			
3022	Point: 66	sepal_length	sepal_width		
		petal_length	petal_width		
3023	66	0.826087	0.617647	0.576271	0.
		541667			
3024	Point: 76	sepal_length	sepal_width		
		petal_length	petal_width		
3025	76	0.811594	0.588235	0.576271	0.
		541667			
3026	Point: 51	sepal_length	sepal_width		
		petal_length	petal_width		
3027	51	0.869565	0.647059	0.627119	0.
		541667			
3028	Point: 53	sepal_length	sepal_width		
		petal_length	petal_width		
3029	53	0.855072	0.617647	0.661017	0.
		583333			
3030	Point: 87	sepal_length	sepal_width		
		petal_length	petal_width		
3031	87	0.826087	0.617647	0.627119	0.
		583333			
3032	Point: 52	sepal_length	sepal_width		
		petal_length	petal_width		
3033	52	0.782609	0.647059	0.59322	0.
		583333			
3034	Point: 57	sepal_length	sepal_width		
		petal_length	petal_width		
3035	57	0.768116	0.676471	0.627119	
		0.625			
3036	Point: 86	sepal_length	sepal_width		
		petal_length	petal_width		
3037	86	0.724638	0.705882	0.59322	
		0.625			
3038	Point: 67	sepal_length	sepal_width		
		petal_length	petal_width		

3039	67	0.666667	0.588235	0.59322	0.
	583333				
3040	Point: 85	sepal_length	sepal_width		
	petal_length	petal_width			
3041	85	0.637681	0.588235	0.59322	0.
	583333				
3042	Point: 62	sepal_length	sepal_width		
	petal_length	petal_width			
3043	62	0.710145	0.588235	0.542373	0.
	583333				
3044	Point: 79	sepal_length	sepal_width		
	petal_length	petal_width			
3045	79	0.724638	0.558824	0.59322	0.
	583333				
3046	Point: 64	sepal_length	sepal_width		
	petal_length	petal_width			
3047	64	0.73913	0.558824	0.627119	0.
	541667				
3048	Point: 92	sepal_length	sepal_width		
	petal_length	petal_width			
3049	92	0.73913	0.588235	0.610169	0.
	541667				
3050	Point: 60	sepal_length	sepal_width		
	petal_length	petal_width			
3051	60	0.608696	0.5	0.491525	0.
	541667				
3052	Point: 65	sepal_length	sepal_width		
	petal_length	petal_width			
3053	65	0.666667	0.558824	0.440678	
	0.5				
3054	Point: 54	sepal_length	sepal_width		
	petal_length	petal_width			
3055	54	0.652174	0.382353	0.508475	
	0.5				
3056	Point: 90	sepal_length	sepal_width		
	petal_length	petal_width			
3057	90	0.652174	0.441176	0.508475	
	0.5				
3058	Point: 80	sepal_length	sepal_width		
	petal_length	petal_width			
3059	80	0.681159	0.470588	0.423729	

3059	0.375				
3060	Point:	82	sepal_length	sepal_width	
		petal_length	petal_width		
3061	82	0.652174	0.411765	0.457627	
		0.375			
3062	Point:	70	sepal_length	sepal_width	
		petal_length	petal_width		
3063	70	0.666667	0.441176	0.491525	0.
		416667			
3064	Point:	81	sepal_length	sepal_width	
		petal_length	petal_width		
3065	81	0.652174	0.411765	0.474576	0.
		416667			
3066	Point:	68	sepal_length	sepal_width	
		petal_length	petal_width		
3067	68	0.695652	0.5	0.525424	
		0.375			
3068	Point:	91	sepal_length	sepal_width	
		petal_length	petal_width		
3069	91	0.652174	0.470588	0.576271	0.
		458333			
3070	Point:	83	sepal_length	sepal_width	
		petal_length	petal_width		
3071	83	0.695652	0.5	0.491525	0.
		458333			
3072	Point:	93	sepal_length	sepal_width	
		petal_length	petal_width		
3073	93	0.695652	0.470588	0.508475	0.
		458333			
3074	Point:	72	sepal_length	sepal_width	
		petal_length	petal_width		
3075	72	0.73913	0.529412	0.508475	
		0.5			
3076	Point:	75	sepal_length	sepal_width	
		petal_length	petal_width		
3077	75	0.782609	0.558824	0.559322	
		0.5			
3078	Point:	98	sepal_length	sepal_width	
		petal_length	petal_width		
3079	98	0.753623	0.558824	0.559322	
		0.5			

		sepal_length	sepal_width		
3080	Point: 89	sepal_length	sepal_width		
		petal_length	petal_width		
3081	89	0.666667	0.588235	0.525424	
		0.5			
3082	Point: 96	sepal_length	sepal_width		
		petal_length	petal_width		
3083	96	0.681159	0.588235	0.542373	0.
		458333			
3084	Point: 56	sepal_length	sepal_width		
		petal_length	petal_width		
3085	56	0.681159	0.529412	0.59322	
		0.5			
3086	Point: 95	sepal_length	sepal_width		
		petal_length	petal_width		
3087	95	0.666667	0.5	0.542373	
		0.5			
3088	Point: 97	sepal_length	sepal_width		
		petal_length	petal_width		
3089	97	0.681159	0.558824	0.542373	
		0.5			
3090	Point: 100	sepal_length	sepal_width		
		petal_length	petal_width		
3091	100	0.681159	0.529412	0.525424	
		0.5			
3092	Point: 63	sepal_length	sepal_width		
		petal_length	petal_width		
3093	63	0.724638	0.352941	0.508475	
		0.375			
3094	Point: 61	sepal_length	sepal_width		
		petal_length	petal_width		
3095	61	0.57971	0.294118	0.423729	
		0.375			
3096	Point: 99	sepal_length	sepal_width		
		petal_length	petal_width		
3097	99	0.594203	0.441176	0.338983	0.
		416667			
3098	Point: 58	sepal_length	sepal_width		
		petal_length	petal_width		
3099	58	0.565217	0.411765	0.389831	
		0.375			
3100	Point: 94	sepal_length	sepal_width		

	petal_length	petal_width			
3100					
3101	94	0.57971	0.382353	0.389831	
	0.375				
3102	Point: 115	sepal_length	sepal_width		
	petal_length	petal_width			
3103	115	0.695652	0.529412	0.694915	0.
	958333				
3104	Point: 103	sepal_length	sepal_width		
	petal_length	petal_width			
3105	103	0.884058	0.588235	0.830508	0.
	833333				
3106	Point: 105	sepal_length	sepal_width		
	petal_length	petal_width			
3107	105	0.797101	0.588235	0.813559	
	0.875				
3108	Point: 129	sepal_length	sepal_width		
	petal_length	petal_width			
3109	129	0.782609	0.529412	0.779661	0.
	833333				
3110	Point: 133	sepal_length	sepal_width		
	petal_length	petal_width			
3111	133	0.782609	0.529412	0.779661	
	0.875				
3112	Point: 125	sepal_length	sepal_width		
	petal_length	petal_width			
3113	125	0.826087	0.676471	0.79661	0.
	833333				
3114	Point: 113	sepal_length	sepal_width		
	petal_length	petal_width			
3115	113	0.84058	0.588235	0.762712	0.
	833333				
3116	Point: 140	sepal_length	sepal_width		
	petal_length	petal_width			
3117	140	0.855072	0.617647	0.745763	0.
	833333				
3118	Point: 111	sepal_length	sepal_width		
	petal_length	petal_width			
3119	111	0.797101	0.647059	0.694915	0.
	791667				
3120	Point: 148	sepal_length	sepal_width		
	petal_length	petal_width			

3121	148	0.797101	0.588235	0.711864	0.
	791667				
3122	Point: 142	sepal_length	sepal_width		
		petal_length	petal_width		
3123	142	0.855072	0.617647	0.694915	0.
	916667				
3124	Point: 146	sepal_length	sepal_width		
		petal_length	petal_width		
3125	146	0.826087	0.588235	0.711864	0.
	916667				
3126	Point: 116	sepal_length	sepal_width		
		petal_length	petal_width		
3127	116	0.782609	0.647059	0.728814	0.
	916667				
3128	Point: 137	sepal_length	sepal_width		
		petal_length	petal_width		
3129	137	0.768116	0.705882	0.779661	0.
	958333				
3130	Point: 149	sepal_length	sepal_width		
		petal_length	petal_width		
3131	149	0.753623	0.705882	0.745763	0.
	916667				
3132	Point: 141	sepal_length	sepal_width		
		petal_length	petal_width		
3133	141	0.826087	0.617647	0.779661	0.
	958333				
3134	Point: 121	sepal_length	sepal_width		
		petal_length	petal_width		
3135	121	0.855072	0.647059	0.79661	0.
	916667				
3136	Point: 144	sepal_length	sepal_width		
		petal_length	petal_width		
3137	144	0.84058	0.647059	0.830508	0.
	916667				
3138	Point: 101	sepal_length	sepal_width		
		petal_length	petal_width		
3139	101	0.768116	0.676471	0.847458	
	1.0				
3140	Point: 145	sepal_length	sepal_width		
		petal_length	petal_width		
3141	145	0.826087	0.676471	0.79661	

3141	1.0				
3142	Point: 114	sepal_length	sepal_width		
		petal_length	petal_width		
3143	114	0.681159	0.441176	0.677966	0.
		791667			
3144	Point: 143	sepal_length	sepal_width		
		petal_length	petal_width		
3145	143	0.695652	0.5	0.694915	
		0.75			
3146	Point: 102	sepal_length	sepal_width		
		petal_length	petal_width		
3147	102	0.695652	0.5	0.694915	
		0.75			
3148	Point: 122	sepal_length	sepal_width		
		petal_length	petal_width		
3149	122	0.666667	0.529412	0.661017	0.
		791667			
3150	Point: 124	sepal_length	sepal_width		
		petal_length	petal_width		
3151	124	0.768116	0.5	0.661017	0.
		708333			
3152	Point: 127	sepal_length	sepal_width		
		petal_length	petal_width		
3153	127	0.753623	0.529412	0.644068	0.
		708333			
3154	Point: 112	sepal_length	sepal_width		
		petal_length	petal_width		
3155	112	0.782609	0.5	0.728814	
		0.75			
3156	Point: 147	sepal_length	sepal_width		
		petal_length	petal_width		
3157	147	0.768116	0.441176	0.677966	
		0.75			
3158	Point: 71	sepal_length	sepal_width		
		petal_length	petal_width		
3159	71	0.710145	0.647059	0.644068	0.
		708333			
3160	Point: 150	sepal_length	sepal_width		
		petal_length	petal_width		
3161	150	0.710145	0.588235	0.694915	0.
		708333			

3162	Point: 128	sepal_length	sepal_width	
		petal_length	petal_width	
3163	128	0.73913	0.588235	0.661017
	708333			0.
3164	Point: 139	sepal_length	sepal_width	
		petal_length	petal_width	
3165	139	0.724638	0.588235	0.644068
	708333			0.
3166	Point: 78	sepal_length	sepal_width	
		petal_length	petal_width	
3167	78	0.826087	0.588235	0.677966
	666667			0.
3168	Point: 104	sepal_length	sepal_width	
		petal_length	petal_width	
3169	104	0.768116	0.558824	0.779661
	708333			0.
3170	Point: 117	sepal_length	sepal_width	
		petal_length	petal_width	
3171	117	0.797101	0.588235	0.762712
	708333			0.
3172	Point: 138	sepal_length	sepal_width	
		petal_length	petal_width	
3173	138	0.782609	0.617647	0.762712
	708333			0.
3174	Point: 109	sepal_length	sepal_width	
		petal_length	petal_width	
3175	109	0.826087	0.441176	0.813559
	708333			0.
3176	Point: 108	sepal_length	sepal_width	
		petal_length	petal_width	
3177	108	0.913043	0.558824	0.898305
	708333			0.
3178	Point: 131	sepal_length	sepal_width	
		petal_length	petal_width	
3179	131	0.927536	0.529412	0.864407
	0.75			
3180	Point: 126	sepal_length	sepal_width	
		petal_length	petal_width	
3181	126	0.898551	0.647059	0.847458
	708333			0.
3182	Point: 130	sepal_length	sepal_width	

		sepal_length	sepal_width	petal_length	petal_width	
3182						
3183	130	0.898551	0.588235	0.813559	0.625	
3184	Point: 119	sepal_length	sepal_width	petal_length	petal_width	
3185	119	0.971014	0.470588	1.0	0.	916667
3186	Point: 136	sepal_length	sepal_width	petal_length	petal_width	
3187	136	0.971014	0.588235	0.864407	0.	916667
3188	Point: 106	sepal_length	sepal_width	petal_length	petal_width	
3189	106	0.956522	0.588235	0.949153	0.	833333
3190	Point: 123	sepal_length	sepal_width	petal_length	petal_width	
3191	123	0.971014	0.529412	0.966102	0.	791667
3192	Point: 110	sepal_length	sepal_width	petal_length	petal_width	
3193	110	0.898551	0.764706	0.864407	1.0	
3194	Point: 118	sepal_length	sepal_width	petal_length	petal_width	
3195	118	0.971014	0.823529	0.966102	0.875	
3196	Point: 132	sepal_length	sepal_width	petal_length	petal_width	
3197	132	1.0	0.823529	0.915254	0.	791667
3198	Cluster 149:					
3199	151 points:					
3200	Point: 0	sepal_length	sepal_width	petal_length	petal_width	
3201	0	0.0	0.0	0.0	0	.375
3202	Point: 16	sepal_length	sepal_width	petal_length	petal_width	
3203	16	0.681159	1.0	0.084746	0.125	

	Point:	sepal_length	sepal_width	petal_length	petal_width
3204	Point: 17	sepal_length	sepal_width	petal_length	petal_width
3205	17	0.637681	0.852941	0.050847	0.125
3206	Point: 19	sepal_length	sepal_width	petal_length	petal_width
3207	19	0.681159	0.823529	0.118644	0.083333
3208	Point: 11	sepal_length	sepal_width	petal_length	petal_width
3209	11	0.637681	0.794118	0.084746	0.041667
3210	Point: 49	sepal_length	sepal_width	petal_length	petal_width
3211	49	0.623188	0.794118	0.084746	0.041667
3212	Point: 20	sepal_length	sepal_width	petal_length	petal_width
3213	20	0.594203	0.823529	0.084746	0.083333
3214	Point: 47	sepal_length	sepal_width	petal_length	petal_width
3215	47	0.594203	0.823529	0.101695	0.041667
3216	Point: 22	sepal_length	sepal_width	petal_length	petal_width
3217	22	0.594203	0.794118	0.084746	0.125
3218	Point: 6	sepal_length	sepal_width	petal_length	petal_width
3219	6	0.637681	0.852941	0.118644	0.125
3220	Point: 45	sepal_length	sepal_width	petal_length	petal_width
3221	45	0.594203	0.823529	0.152542	0.125
3222	Point: 15	sepal_length	sepal_width	petal_length	petal_width
3223	15	0.695652	0.882353	0.033898	0.041667
3224	Point: 33	sepal_length	sepal_width		

3224	petal_length	petal_width			
3225	33	0.608696	0.911765	0.084746	
		0.0			
3226	Point: 34	sepal_length	sepal_width		
		petal_length	petal_width		
3227	34	0.652174	0.941176	0.067797	0.
		0.041667			
3228	Point: 42	sepal_length	sepal_width		
		petal_length	petal_width		
3229	42	0.507246	0.382353	0.050847	0.
		0.083333			
3230	Point: 14	sepal_length	sepal_width		
		petal_length	petal_width		
3231	14	0.478261	0.588235	0.016949	
		0.0			
3232	Point: 9	sepal_length	sepal_width	petal_length	
		petal_width			
3233	9	0.492754	0.558824	0.067797	0.
		0.041667			
3234	Point: 39	sepal_length	sepal_width		
		petal_length	petal_width		
3235	39	0.492754	0.588235	0.050847	0.
		0.041667			
3236	Point: 23	sepal_length	sepal_width		
		petal_length	petal_width		
3237	23	0.521739	0.764706	0.0	0.
		0.041667			
3238	Point: 44	sepal_length	sepal_width		
		petal_length	petal_width		
3239	44	0.57971	0.735294	0.101695	0.
		0.208333			
3240	Point: 32	sepal_length	sepal_width		
		petal_length	petal_width		
3241	32	0.637681	0.705882	0.084746	
		0.0125			
3242	Point: 24	sepal_length	sepal_width		
		petal_length	petal_width		
3243	24	0.594203	0.676471	0.118644	0.
		0.016667			
3244	Point: 27	sepal_length	sepal_width		
		petal_length	petal_width		

3245	27	0.57971	0.705882	0.101695	
		0.125			
3246	Point: 21	sepal_length	sepal_width		
		petal_length	petal_width		
3247	21	0.637681	0.705882	0.118644	0.
		0.041667			
3248	Point: 37	sepal_length	sepal_width		
		petal_length	petal_width		
3249	37	0.652174	0.735294	0.050847	0.
		0.041667			
3250	Point: 5	sepal_length	sepal_width	petal_length	
		petal_width			
3251	5	0.57971	0.764706	0.067797	0.
		0.041667			
3252	Point: 18	sepal_length	sepal_width		
		petal_length	petal_width		
3253	18	0.594203	0.735294	0.067797	0.
		0.083333			
3254	Point: 41	sepal_length	sepal_width		
		petal_length	petal_width		
3255	41	0.57971	0.735294	0.050847	0.
		0.083333			
3256	Point: 1	sepal_length	sepal_width	petal_length	
		petal_width			
3257	1	0.594203	0.735294	0.067797	0.
		0.041667			
3258	Point: 28	sepal_length	sepal_width		
		petal_length	petal_width		
3259	28	0.608696	0.735294	0.084746	0.
		0.041667			
3260	Point: 29	sepal_length	sepal_width		
		petal_length	petal_width		
3261	29	0.608696	0.705882	0.067797	0.
		0.041667			
3262	Point: 8	sepal_length	sepal_width	petal_length	
		petal_width			
3263	8	0.57971	0.705882	0.084746	0.
		0.041667			
3264	Point: 40	sepal_length	sepal_width		
		petal_length	petal_width		
3265	40	0.594203	0.705882	0.084746	0.

3265	041667				
3266	Point:	36	sepal_length	sepal_width	
		petal_length	petal_width		
3267	36	0.57971	0.647059	0.033898	0.
	041667				
3268	Point:	50	sepal_length	sepal_width	
		petal_length	petal_width		
3269	50	0.57971	0.676471	0.067797	0.
	041667				
3270	Point:	46	sepal_length	sepal_width	
		petal_length	petal_width		
3271	46	0.550725	0.588235	0.067797	0.
	083333				
3272	Point:	4	sepal_length	sepal_width	petal_length
		petal_width			
3273	4	0.521739	0.617647	0.084746	0.
	041667				
3274	Point:	30	sepal_length	sepal_width	
		petal_length	petal_width		
3275	30	0.536232	0.647059	0.101695	0.
	041667				
3276	Point:	31	sepal_length	sepal_width	
		petal_length	petal_width		
3277	31	0.550725	0.617647	0.101695	0.
	041667				
3278	Point:	43	sepal_length	sepal_width	
		petal_length	petal_width		
3279	43	0.492754	0.647059	0.050847	0.
	041667				
3280	Point:	3	sepal_length	sepal_width	petal_length
		petal_width			
3281	3	0.536232	0.647059	0.050847	0.
	041667				
3282	Point:	48	sepal_length	sepal_width	
		petal_length	petal_width		
3283	48	0.521739	0.647059	0.067797	0.
	041667				
3284	Point:	2	sepal_length	sepal_width	petal_length
		petal_width			
3285	2	0.565217	0.588235	0.067797	0.
	041667				

	Point:	sepal_length	sepal_width	petal_length	petal_width	
3286	Point: 26	sepal_length	sepal_width	petal_length	petal_width	
3287	26	0.57971	0.588235	0.101695	0.	041667
3288	Point: 38	sepal_length	sepal_width	petal_length	petal_width	
3289	38	0.565217	0.617647	0.084746	0.	0
3290	Point: 35	sepal_length	sepal_width	petal_length	petal_width	
3291	35	0.565217	0.617647	0.084746	0.	0
3292	Point: 10	sepal_length	sepal_width	petal_length	petal_width	
3293	10	0.565217	0.617647	0.084746	0.	0
3294	Point: 13	sepal_length	sepal_width	petal_length	petal_width	
3295	13	0.550725	0.588235	0.067797	0.	0
3296	Point: 7	sepal_length	sepal_width	petal_length	petal_width	
3297	7	0.521739	0.705882	0.067797	0.	083333
3298	Point: 12	sepal_length	sepal_width	petal_length	petal_width	
3299	12	0.550725	0.705882	0.101695	0.	041667
3300	Point: 25	sepal_length	sepal_width	petal_length	petal_width	
3301	25	0.550725	0.705882	0.152542	0.	041667
3302	Point: 107	sepal_length	sepal_width	petal_length	petal_width	
3303	107	0.565217	0.441176	0.59322	0.	666667
3304	Point: 88	sepal_length	sepal_width	petal_length	petal_width	
3305	88	0.768116	0.382353	0.576271	0.	5
3306	Point: 69	sepal_length	sepal_width			

3306	petal_length	petal_width			
3307	69	0.753623	0.352941	0.59322	0.
	583333				
3308	Point: 120	sepal_length	sepal_width		
	petal_length	petal_width			
3309	120	0.724638	0.352941	0.677966	0.
	583333				
3310	Point: 135	sepal_length	sepal_width		
	petal_length	petal_width			
3311	135	0.73913	0.470588	0.779661	0.
	541667				
3312	Point: 73	sepal_length	sepal_width		
	petal_length	petal_width			
3313	73	0.768116	0.441176	0.661017	0.
	583333				
3314	Point: 84	sepal_length	sepal_width		
	petal_length	petal_width			
3315	84	0.724638	0.5	0.694915	0.
	0.625				
3316	Point: 134	sepal_length	sepal_width		
	petal_length	petal_width			
3317	134	0.768116	0.529412	0.694915	0.
	583333				
3318	Point: 74	sepal_length	sepal_width		
	petal_length	petal_width			
3319	74	0.73913	0.529412	0.627119	0.
	458333				
3320	Point: 55	sepal_length	sepal_width		
	petal_length	petal_width			
3321	55	0.797101	0.529412	0.610169	0.
	583333				
3322	Point: 59	sepal_length	sepal_width		
	petal_length	petal_width			
3323	59	0.811594	0.558824	0.610169	0.
	0.5				
3324	Point: 77	sepal_length	sepal_width		
	petal_length	petal_width			
3325	77	0.84058	0.529412	0.644068	0.
	541667				
3326	Point: 66	sepal_length	sepal_width		
	petal_length	petal_width			

3327	66	0.826087	0.617647	0.576271	0.
	541667				
3328	Point: 76	sepal_length	sepal_width		
		petal_length	petal_width		
3329	76	0.811594	0.588235	0.576271	0.
	541667				
3330	Point: 51	sepal_length	sepal_width		
		petal_length	petal_width		
3331	51	0.869565	0.647059	0.627119	0.
	541667				
3332	Point: 53	sepal_length	sepal_width		
		petal_length	petal_width		
3333	53	0.855072	0.617647	0.661017	0.
	583333				
3334	Point: 87	sepal_length	sepal_width		
		petal_length	petal_width		
3335	87	0.826087	0.617647	0.627119	0.
	583333				
3336	Point: 52	sepal_length	sepal_width		
		petal_length	petal_width		
3337	52	0.782609	0.647059	0.59322	0.
	583333				
3338	Point: 57	sepal_length	sepal_width		
		petal_length	petal_width		
3339	57	0.768116	0.676471	0.627119	
	0.625				
3340	Point: 86	sepal_length	sepal_width		
		petal_length	petal_width		
3341	86	0.724638	0.705882	0.59322	
	0.625				
3342	Point: 67	sepal_length	sepal_width		
		petal_length	petal_width		
3343	67	0.666667	0.588235	0.59322	0.
	583333				
3344	Point: 85	sepal_length	sepal_width		
		petal_length	petal_width		
3345	85	0.637681	0.588235	0.59322	0.
	583333				
3346	Point: 62	sepal_length	sepal_width		
		petal_length	petal_width		
3347	62	0.710145	0.588235	0.542373	0.

3347	583333				
3348	Point:	79	sepal_length	sepal_width	
		petal_length	petal_width		
3349	79	0.724638	0.558824	0.59322	0.
	583333				
3350	Point:	64	sepal_length	sepal_width	
		petal_length	petal_width		
3351	64	0.73913	0.558824	0.627119	0.
	541667				
3352	Point:	92	sepal_length	sepal_width	
		petal_length	petal_width		
3353	92	0.73913	0.588235	0.610169	0.
	541667				
3354	Point:	60	sepal_length	sepal_width	
		petal_length	petal_width		
3355	60	0.608696	0.5	0.491525	0.
	541667				
3356	Point:	65	sepal_length	sepal_width	
		petal_length	petal_width		
3357	65	0.666667	0.558824	0.440678	
	0.5				
3358	Point:	54	sepal_length	sepal_width	
		petal_length	petal_width		
3359	54	0.652174	0.382353	0.508475	
	0.5				
3360	Point:	90	sepal_length	sepal_width	
		petal_length	petal_width		
3361	90	0.652174	0.441176	0.508475	
	0.5				
3362	Point:	80	sepal_length	sepal_width	
		petal_length	petal_width		
3363	80	0.681159	0.470588	0.423729	
	0.375				
3364	Point:	82	sepal_length	sepal_width	
		petal_length	petal_width		
3365	82	0.652174	0.411765	0.457627	
	0.375				
3366	Point:	70	sepal_length	sepal_width	
		petal_length	petal_width		
3367	70	0.666667	0.441176	0.491525	0.
	416667				

	Point:	sepal_length	sepal_width	petal_length	petal_width	
3368	Point: 81	sepal_length	sepal_width	petal_length	petal_width	
3369	81	0.652174	0.411765	0.474576	0.	416667
3370	Point: 68	sepal_length	sepal_width	petal_length	petal_width	
3371	68	0.695652	0.5	0.525424	0.	375
3372	Point: 91	sepal_length	sepal_width	petal_length	petal_width	
3373	91	0.652174	0.470588	0.576271	0.	458333
3374	Point: 83	sepal_length	sepal_width	petal_length	petal_width	
3375	83	0.695652	0.5	0.491525	0.	458333
3376	Point: 93	sepal_length	sepal_width	petal_length	petal_width	
3377	93	0.695652	0.470588	0.508475	0.	458333
3378	Point: 72	sepal_length	sepal_width	petal_length	petal_width	
3379	72	0.73913	0.529412	0.508475	0.	5
3380	Point: 75	sepal_length	sepal_width	petal_length	petal_width	
3381	75	0.782609	0.558824	0.559322	0.	5
3382	Point: 98	sepal_length	sepal_width	petal_length	petal_width	
3383	98	0.753623	0.558824	0.559322	0.	5
3384	Point: 89	sepal_length	sepal_width	petal_length	petal_width	
3385	89	0.666667	0.588235	0.525424	0.	5
3386	Point: 96	sepal_length	sepal_width	petal_length	petal_width	
3387	96	0.681159	0.588235	0.542373	0.	458333
3388	Point: 56	sepal_length	sepal_width			

3388	petal_length	petal_width		
3389	56	0.681159	0.529412	0.59322
		0.5		
3390	Point: 95	sepal_length	sepal_width	
		petal_length	petal_width	
3391	95	0.666667	0.5	0.542373
		0.5		
3392	Point: 97	sepal_length	sepal_width	
		petal_length	petal_width	
3393	97	0.681159	0.558824	0.542373
		0.5		
3394	Point: 100	sepal_length	sepal_width	
		petal_length	petal_width	
3395	100	0.681159	0.529412	0.525424
		0.5		
3396	Point: 63	sepal_length	sepal_width	
		petal_length	petal_width	
3397	63	0.724638	0.352941	0.508475
		0.375		
3398	Point: 61	sepal_length	sepal_width	
		petal_length	petal_width	
3399	61	0.57971	0.294118	0.423729
		0.375		
3400	Point: 99	sepal_length	sepal_width	
		petal_length	petal_width	
3401	99	0.594203	0.441176	0.338983
		0.416667		0.
3402	Point: 58	sepal_length	sepal_width	
		petal_length	petal_width	
3403	58	0.565217	0.411765	0.389831
		0.375		
3404	Point: 94	sepal_length	sepal_width	
		petal_length	petal_width	
3405	94	0.57971	0.382353	0.389831
		0.375		
3406	Point: 115	sepal_length	sepal_width	
		petal_length	petal_width	
3407	115	0.695652	0.529412	0.694915
		0.958333		0.
3408	Point: 103	sepal_length	sepal_width	
		petal_length	petal_width	

3409	103	0.884058	0.588235	0.830508	0.
	833333				
3410	Point: 105	sepal_length	sepal_width		
	petal_length	petal_width			
3411	105	0.797101	0.588235	0.813559	
	0.875				
3412	Point: 129	sepal_length	sepal_width		
	petal_length	petal_width			
3413	129	0.782609	0.529412	0.779661	0.
	833333				
3414	Point: 133	sepal_length	sepal_width		
	petal_length	petal_width			
3415	133	0.782609	0.529412	0.779661	
	0.875				
3416	Point: 125	sepal_length	sepal_width		
	petal_length	petal_width			
3417	125	0.826087	0.676471	0.79661	0.
	833333				
3418	Point: 113	sepal_length	sepal_width		
	petal_length	petal_width			
3419	113	0.84058	0.588235	0.762712	0.
	833333				
3420	Point: 140	sepal_length	sepal_width		
	petal_length	petal_width			
3421	140	0.855072	0.617647	0.745763	0.
	833333				
3422	Point: 111	sepal_length	sepal_width		
	petal_length	petal_width			
3423	111	0.797101	0.647059	0.694915	0.
	791667				
3424	Point: 148	sepal_length	sepal_width		
	petal_length	petal_width			
3425	148	0.797101	0.588235	0.711864	0.
	791667				
3426	Point: 142	sepal_length	sepal_width		
	petal_length	petal_width			
3427	142	0.855072	0.617647	0.694915	0.
	916667				
3428	Point: 146	sepal_length	sepal_width		
	petal_length	petal_width			
3429	146	0.826087	0.588235	0.711864	0.

3429	916667				
3430	Point: 116	sepal_length	sepal_width		
		petal_length	petal_width		
3431	116	0.782609	0.647059	0.728814	0.
	916667				
3432	Point: 137	sepal_length	sepal_width		
		petal_length	petal_width		
3433	137	0.768116	0.705882	0.779661	0.
	958333				
3434	Point: 149	sepal_length	sepal_width		
		petal_length	petal_width		
3435	149	0.753623	0.705882	0.745763	0.
	916667				
3436	Point: 141	sepal_length	sepal_width		
		petal_length	petal_width		
3437	141	0.826087	0.617647	0.779661	0.
	958333				
3438	Point: 121	sepal_length	sepal_width		
		petal_length	petal_width		
3439	121	0.855072	0.647059	0.79661	0.
	916667				
3440	Point: 144	sepal_length	sepal_width		
		petal_length	petal_width		
3441	144	0.84058	0.647059	0.830508	0.
	916667				
3442	Point: 101	sepal_length	sepal_width		
		petal_length	petal_width		
3443	101	0.768116	0.676471	0.847458	
	1.0				
3444	Point: 145	sepal_length	sepal_width		
		petal_length	petal_width		
3445	145	0.826087	0.676471	0.79661	
	1.0				
3446	Point: 114	sepal_length	sepal_width		
		petal_length	petal_width		
3447	114	0.681159	0.441176	0.677966	0.
	791667				
3448	Point: 143	sepal_length	sepal_width		
		petal_length	petal_width		
3449	143	0.695652	0.5	0.694915	
	0.75				

		sepal_length	sepal_width		
		petal_length	petal_width		
3450	Point: 102	sepal_length	sepal_width		
		petal_length	petal_width		
3451	102	0.695652	0.5	0.694915	
		0.75			
3452	Point: 122	sepal_length	sepal_width		
		petal_length	petal_width		
3453	122	0.666667	0.529412	0.661017	0.
		791667			
3454	Point: 124	sepal_length	sepal_width		
		petal_length	petal_width		
3455	124	0.768116	0.5	0.661017	0.
		708333			
3456	Point: 127	sepal_length	sepal_width		
		petal_length	petal_width		
3457	127	0.753623	0.529412	0.644068	0.
		708333			
3458	Point: 112	sepal_length	sepal_width		
		petal_length	petal_width		
3459	112	0.782609	0.5	0.728814	
		0.75			
3460	Point: 147	sepal_length	sepal_width		
		petal_length	petal_width		
3461	147	0.768116	0.441176	0.677966	
		0.75			
3462	Point: 71	sepal_length	sepal_width		
		petal_length	petal_width		
3463	71	0.710145	0.647059	0.644068	0.
		708333			
3464	Point: 150	sepal_length	sepal_width		
		petal_length	petal_width		
3465	150	0.710145	0.588235	0.694915	0.
		708333			
3466	Point: 128	sepal_length	sepal_width		
		petal_length	petal_width		
3467	128	0.73913	0.588235	0.661017	0.
		708333			
3468	Point: 139	sepal_length	sepal_width		
		petal_length	petal_width		
3469	139	0.724638	0.588235	0.644068	0.
		708333			
3470	Point: 78	sepal_length	sepal_width		

	petal_length	petal_width			
3470					
3471	78	0.826087	0.588235	0.677966	0.
	666667				
3472	Point: 104	sepal_length	sepal_width		
	petal_length	petal_width			
3473	104	0.768116	0.558824	0.779661	0.
	708333				
3474	Point: 117	sepal_length	sepal_width		
	petal_length	petal_width			
3475	117	0.797101	0.588235	0.762712	0.
	708333				
3476	Point: 138	sepal_length	sepal_width		
	petal_length	petal_width			
3477	138	0.782609	0.617647	0.762712	0.
	708333				
3478	Point: 109	sepal_length	sepal_width		
	petal_length	petal_width			
3479	109	0.826087	0.441176	0.813559	0.
	708333				
3480	Point: 108	sepal_length	sepal_width		
	petal_length	petal_width			
3481	108	0.913043	0.558824	0.898305	0.
	708333				
3482	Point: 131	sepal_length	sepal_width		
	petal_length	petal_width			
3483	131	0.927536	0.529412	0.864407	
	0.75				
3484	Point: 126	sepal_length	sepal_width		
	petal_length	petal_width			
3485	126	0.898551	0.647059	0.847458	0.
	708333				
3486	Point: 130	sepal_length	sepal_width		
	petal_length	petal_width			
3487	130	0.898551	0.588235	0.813559	
	0.625				
3488	Point: 119	sepal_length	sepal_width		
	petal_length	petal_width			
3489	119	0.971014	0.470588	1.0	0.
	916667				
3490	Point: 136	sepal_length	sepal_width		
	petal_length	petal_width			

3491	136	0.971014	0.588235	0.864407	0.
		916667			
3492	Point: 106	sepal_length	sepal_width		
		petal_length	petal_width		
3493	106	0.956522	0.588235	0.949153	0.
		833333			
3494	Point: 123	sepal_length	sepal_width		
		petal_length	petal_width		
3495	123	0.971014	0.529412	0.966102	0.
		791667			
3496	Point: 110	sepal_length	sepal_width		
		petal_length	petal_width		
3497	110	0.898551	0.764706	0.864407	
		1.0			
3498	Point: 118	sepal_length	sepal_width		
		petal_length	petal_width		
3499	118	0.971014	0.823529	0.966102	
		0.875			
3500	Point: 132	sepal_length	sepal_width		
		petal_length	petal_width		
3501	132	1.0	0.823529	0.915254	0.
		791667			
3502					
3503	Process finished with exit code 0				
3504					