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1 C:\Users\wan9w\AppData\Local\Programs\Python\  
    Python312\python.exe C:\Users\wan9w\PycharmProjects\  
    CS170-Project2-wwang262-ajohn212-agoel27\main.py  
2 Welcome to Feature Selection Algorithm.  
3 Please enter which features you would like to use  
    with spaces in between: 1 15 27  
4  
5 Type the number of the algorithm you want to run.  
6     1 - Small Dataset  
7     2 - Large Dataset  
8 2  
9 Using features [1, 15, 27]  
10 Instance [2.0, 2.5229755, 3.6868113, 2.6360571] is  
    class 2.0  
11 Its nearest neighbor is [2.0, 2.5627963, 3.8619069,  
    2.6161418] which is class 2.0  
12 Instance [2.0, 3.0903547, 1.8404063, 1.8796283] is  
    class 2.0  
13 Its nearest neighbor is [2.0, 3.1331107, 1.9778728,  
    1.8851181] which is class 2.0  
14 Instance [2.0, 3.3807213, 2.9824832, 4.0485283] is  
    class 1.0  
15 Its nearest neighbor is [1.0, 3.420544, 2.8525071, 3  
    .8958584] which is class 1.0  
16 Instance [2.0, 3.6902339, 1.3113469, 4.2988602] is  
    class 2.0  
17 Its nearest neighbor is [2.0, 3.5488768, 1.647086, 4  
    .0994565] which is class 2.0  
18 Instance [2.0, 2.2245555, 2.6313702, 4.5061462] is  
    class 2.0  
19 Its nearest neighbor is [2.0, 2.4463076, 2.6147231,  
    4.5059793] which is class 2.0  
20 Instance [2.0, 0.91204154, 3.3944222, 4.6091928] is  
    class 2.0  
21 Its nearest neighbor is [2.0, 0.75584269, 2.8253089  
    , 4.3865958] which is class 2.0  
22 Instance [2.0, 1.0602869, 3.0106913, 1.9240636] is  
    class 2.0  
23 Its nearest neighbor is [2.0, 1.4479696, 3.172115, 2  
    .0857652] which is class 2.0  
24 Instance [2.0, 1.5684741, 1.3618066, 3.2855664] is
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24 class 2.0
25 Its nearest neighbor is [2.0, 1.9222106, 1.3743835,
   3.2032292] which is class 2.0
26 Instance [1.0, 3.176353, 3.6178039, 3.4276354] is
   class 1.0
27 Its nearest neighbor is [1.0, 3.1804168, 3.4620407,
   3.5134807] which is class 1.0
28 Instance [2.0, 3.2513601, 2.7464197, 2.6556553] is
   class 2.0
29 Its nearest neighbor is [2.0, 3.3190529, 2.8133857,
   2.7077425] which is class 2.0
30 Instance [2.0, 4.6715645, 1.7994444, 1.6298769] is
   class 2.0
31 Its nearest neighbor is [2.0, 4.6453352, 1.7205415,
   1.6363364] which is class 2.0
32 Instance [2.0, 1.5951955, 4.1678489, 4.0258335] is
   class 2.0
33 Its nearest neighbor is [2.0, 1.8581953, 4.0585934,
   4.0832089] which is class 2.0
34 Instance [2.0, 2.612725, 3.4573707, 2.7570175] is
   class 2.0
35 Its nearest neighbor is [2.0, 2.4980025, 3.3899234,
   2.8856402] which is class 2.0
36 Instance [1.0, 2.0348868, 4.7677371, 3.105054] is
   class 2.0
37 Its nearest neighbor is [2.0, 1.963452, 4.7631242, 3
   .2279896] which is class 2.0
38 Instance [2.0, 3.4958738, 2.5213487, 4.1234302] is
   class 2.0
39 Its nearest neighbor is [2.0, 3.5850581, 2.5051056,
   4.2320576] which is class 2.0
40 Instance [1.0, 2.8654668, 1.7069288, 3.10452] is
   class 1.0
41 Its nearest neighbor is [1.0, 2.7688449, 1.876372, 3
   .1469782] which is class 1.0
42 Instance [2.0, 2.318805, 5.1554929, 4.8446362] is
   class 2.0
43 Its nearest neighbor is [2.0, 2.46444, 4.8137435, 4.
   7641898] which is class 2.0
44 Instance [2.0, 2.9620593, 2.0079614, 1.754411] is
   class 2.0
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45 Its nearest neighbor is [2.0, 3.1331107, 1.9778728,  
1.8851181] which is class 2.0  
46 Instance [2.0, 2.7775797, 2.3844936, 4.2304919] is  
class 2.0  
47 Its nearest neighbor is [2.0, 2.8684313, 2.3866194,  
4.0178278] which is class 2.0  
48 Instance [2.0, 3.1953357, 4.7800607, 2.0604439] is  
class 2.0  
49 Its nearest neighbor is [2.0, 3.445148, 4.6539334, 2  
.1593925] which is class 2.0  
50 Instance [2.0, 2.6755512, 4.7140101, 2.6561541] is  
class 2.0  
51 Its nearest neighbor is [2.0, 2.7512078, 4.8835988,  
2.6914638] which is class 2.0  
52 Instance [1.0, 3.3185006, 4.1269219, 3.8909472] is  
class 1.0  
53 Its nearest neighbor is [1.0, 3.0529012, 4.1299538,  
3.8612787] which is class 1.0  
54 Instance [2.0, 2.9334527, 3.187362, 2.7339014] is  
class 2.0  
55 Its nearest neighbor is [2.0, 2.8997934, 3.3515506,  
2.6989055] which is class 2.0  
56 Instance [2.0, 1.6622128, 2.5816254, 1.4155317] is  
class 2.0  
57 Its nearest neighbor is [2.0, 1.9481535, 2.8208276,  
1.4503778] which is class 2.0  
58 Instance [2.0, 2.7079971, 3.6728716, 2.9809876] is  
class 2.0  
59 Its nearest neighbor is [2.0, 2.6197509, 3.6614642,  
2.8705372] which is class 2.0  
60 Instance [2.0, 2.6618259, 3.6351241, 2.2396802] is  
class 2.0  
61 Its nearest neighbor is [2.0, 2.686347, 3.7697756, 2  
.1628094] which is class 2.0  
62 Instance [2.0, 2.2765347, 3.672351, 2.0475094] is  
class 2.0  
63 Its nearest neighbor is [2.0, 2.267708, 3.6400932, 2  
.2682671] which is class 2.0  
64 Instance [2.0, 3.8288418, 2.3551014, 2.7610114] is  
class 2.0  
65 Its nearest neighbor is [2.0, 3.7849744, 2.406128, 2
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65 .8462709] which is class 2.0
66 Instance [2.0, 3.060502, 5.1391799, 4.4233066] is
  class 2.0
67 Its nearest neighbor is [2.0, 3.3725842, 5.0336002
  , 4.541331] which is class 2.0
68 Instance [2.0, 3.6856646, 3.8703179, 2.1051764] is
  class 2.0
69 Its nearest neighbor is [2.0, 3.6388858, 4.0259793
  , 2.3011349] which is class 2.0
70 Instance [1.0, 3.6384673, 2.5553687, 3.2685137] is
  class 1.0
71 Its nearest neighbor is [1.0, 3.6226811, 2.6011548
  , 3.184777] which is class 1.0
72 Instance [2.0, 3.0924512, 1.523272, 1.6240711] is
  class 2.0
73 Its nearest neighbor is [2.0, 3.3675401, 1.8065992
  , 1.6684156] which is class 2.0
74 Instance [1.0, 3.7331495, 1.9140333, 3.0579763] is
  class 2.0
75 Its nearest neighbor is [2.0, 3.563583, 1.9100662,
  2.9344238] which is class 2.0
76 Instance [1.0, 2.9520986, 2.5869949, 3.6356745] is
  class 1.0
77 Its nearest neighbor is [1.0, 2.9187328, 2.507066,
  3.7754634] which is class 1.0
78 Instance [1.0, 3.504092, 4.2085682, 3.2876745] is
  class 1.0
79 Its nearest neighbor is [1.0, 3.4824009, 4.3318213
  , 3.4462263] which is class 1.0
80 Instance [2.0, 4.4835121, 4.0775638, 3.3134303] is
  class 2.0
81 Its nearest neighbor is [2.0, 4.4654286, 4.2280102
  , 3.5033338] which is class 2.0
82 Instance [2.0, 2.8425053, 2.2275824, 4.4096921] is
  class 2.0
83 Its nearest neighbor is [2.0, 2.7775797, 2.3844936
  , 4.2304919] which is class 2.0
84 Instance [2.0, 2.2925328, 2.4355455, 4.1207274] is
  class 2.0
85 Its nearest neighbor is [2.0, 2.4446608, 2.6141668
  , 4.1487146] which is class 2.0
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86 Instance [2.0, 1.6550361, 1.3348193, 4.0247568] is
  class 2.0
87 Its nearest neighbor is [2.0, 1.6960811, 1.3462826
  , 3.8209325] which is class 2.0
88 Instance [1.0, 2.363422, 2.3020649, 3.1235762] is
  class 1.0
89 Its nearest neighbor is [1.0, 2.4914192, 2.1603044
  , 3.2358604] which is class 1.0
90 Instance [2.0, 3.5850581, 2.5051056, 4.2320576] is
  class 2.0
91 Its nearest neighbor is [2.0, 3.4958738, 2.5213487
  , 4.1234302] which is class 2.0
92 Instance [2.0, 3.0988932, 5.2101297, 2.461483] is
  class 2.0
93 Its nearest neighbor is [2.0, 3.0369484, 5.0721036
  , 2.4089842] which is class 2.0
94 Instance [2.0, 2.6261648, 3.5719946, 1.8748422] is
  class 2.0
95 Its nearest neighbor is [2.0, 2.4959174, 3.5891747
  , 2.0720785] which is class 2.0
96 Instance [2.0, 1.671612, 2.9583209, 4.2273529] is
  class 2.0
97 Its nearest neighbor is [2.0, 1.8598724, 3.0078634
  , 4.5270658] which is class 2.0
98 Instance [2.0, 4.8488498, 2.8760847, 2.2054568] is
  class 2.0
99 Its nearest neighbor is [2.0, 4.5268543, 2.6892659
  , 2.2994519] which is class 2.0
100 Instance [2.0, 0.96848001, 3.0609995, 3.1763871] is
   class 2.0
101 Its nearest neighbor is [2.0, 1.1691263, 3.3656964
  , 3.1705509] which is class 2.0
102 Instance [2.0, 4.8468742, 2.4452077, 5.2841855] is
  class 2.0
103 Its nearest neighbor is [2.0, 4.7378539, 2.4541073
  , 4.7822063] which is class 2.0
104 Instance [2.0, 2.6886196, 4.2652741, 4.297779] is
  class 2.0
105 Its nearest neighbor is [2.0, 2.5970211, 4.4450919
  , 4.1918998] which is class 2.0
106 Instance [2.0, 4.1221388, 5.3338469, 2.288542] is
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106 class 2.0
107 Its nearest neighbor is [2.0, 4.3368958, 5.1925078
, 2.4200877] which is class 2.0
108 Instance [2.0, 6.4007726, 2.7645429, 3.9727786] is
class 2.0
109 Its nearest neighbor is [2.0, 6.0016256, 2.3708071
, 3.4509765] which is class 2.0
110 Instance [2.0, 4.1838159, 3.4817907, 2.7970247] is
class 2.0
111 Its nearest neighbor is [2.0, 4.1938254, 3.5425127
, 2.8005765] which is class 2.0
112 Instance [2.0, 4.2084543, 3.4927241, 1.5972394] is
class 2.0
113 Its nearest neighbor is [2.0, 4.1444635, 3.577465,
1.4950411] which is class 2.0
114 Instance [2.0, 3.6079513, 3.0775338, 2.7810177] is
class 2.0
115 Its nearest neighbor is [2.0, 3.612481, 3.0047133,
2.7342386] which is class 2.0
116 Instance [2.0, 2.7594231, 3.3365794, 2.2764925] is
class 2.0
117 Its nearest neighbor is [2.0, 2.6662551, 3.2912208
, 2.1775489] which is class 2.0
118 Instance [2.0, 3.1331107, 1.9778728, 1.8851181] is
class 2.0
119 Its nearest neighbor is [2.0, 3.0903547, 1.8404063
, 1.8796283] which is class 2.0
120 Instance [2.0, 2.4980025, 3.3899234, 2.8856402] is
class 2.0
121 Its nearest neighbor is [2.0, 2.612725, 3.4573707,
2.7570175] which is class 2.0
122 Instance [2.0, 2.1923867, 1.2747141, 2.8584775] is
class 2.0
123 Its nearest neighbor is [2.0, 2.2648963, 1.404267,
2.8878652] which is class 2.0
124 Instance [2.0, 0.96579028, 4.2826109, 3.5036454] is
class 2.0
125 Its nearest neighbor is [2.0, 1.2441005, 4.4643832
, 3.6336646] which is class 2.0
126 Instance [2.0, 3.463768, 4.1520677, 6.5170483] is
class 2.0
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127 Its nearest neighbor is [2.0, 3.6072138, 3.2841842  
    , 5.7387902] which is class 2.0  
128 Instance [2.0, 3.7095679, 3.1557467, 4.0269461] is  
    class 2.0  
129 Its nearest neighbor is [2.0, 3.7870313, 3.1382871  
    , 3.9466965] which is class 2.0  
130 Instance [2.0, 2.3104909, 2.6090434, 2.332234] is  
    class 2.0  
131 Its nearest neighbor is [2.0, 2.1987043, 2.6278162  
    , 2.3492238] which is class 2.0  
132 Instance [1.0, 2.6472784, 3.6755527, 3.7501884] is  
    class 1.0  
133 Its nearest neighbor is [1.0, 2.6980632, 3.6936662  
    , 3.8694432] which is class 1.0  
134 Instance [1.0, 2.6771097, 4.4837501, 3.3044047] is  
    class 1.0  
135 Its nearest neighbor is [1.0, 2.6201183, 4.4789905  
    , 3.2133418] which is class 1.0  
136 Instance [1.0, 2.4231108, 2.7585197, 3.1670273] is  
    class 1.0  
137 Its nearest neighbor is [1.0, 2.5376272, 2.8643265  
    , 3.264018] which is class 1.0  
138 Instance [2.0, 2.2908356, 4.1893166, 2.5244653] is  
    class 2.0  
139 Its nearest neighbor is [2.0, 2.2198279, 4.0802461  
    , 2.5110186] which is class 2.0  
140 Instance [1.0, 3.7597826, 3.7064637, 3.2532463] is  
    class 1.0  
141 Its nearest neighbor is [1.0, 3.6731429, 3.6113498  
    , 3.2401964] which is class 1.0  
142 Instance [2.0, 2.7818277, 3.3076048, 5.0444259] is  
    class 2.0  
143 Its nearest neighbor is [2.0, 2.6473967, 3.1289085  
    , 4.7576233] which is class 2.0  
144 Instance [2.0, 2.3761885, 3.4186005, 4.2219396] is  
    class 2.0  
145 Its nearest neighbor is [2.0, 2.3161485, 3.5269624  
    , 3.9724485] which is class 2.0  
146 Instance [2.0, 3.840836, 3.0212485, 2.711906] is  
    class 2.0  
147 Its nearest neighbor is [2.0, 3.612481, 3.0047133,
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147 2.7342386] which is class 2.0
148 Instance [1.0, 2.4219363, 3.0772511, 3.5114672] is
    class 1.0
149 Its nearest neighbor is [1.0, 2.4748983, 3.0083277
    , 3.6188526] which is class 1.0
150 Instance [2.0, 1.8189339, 4.1544123, 3.265651] is
    class 2.0
151 Its nearest neighbor is [2.0, 2.0899127, 4.1684807
    , 3.4361535] which is class 2.0
152 Instance [2.0, 3.8365102, 2.0750671, 2.6425005] is
    class 2.0
153 Its nearest neighbor is [2.0, 3.8288418, 2.3551014
    , 2.7610114] which is class 2.0
154 Instance [2.0, 2.365419, 1.2252566, 4.1898287] is
    class 2.0
155 Its nearest neighbor is [2.0, 2.2800623, 0.76125854
    , 4.2409236] which is class 2.0
156 Instance [2.0, 5.0058327, 2.0424934, 4.0586713] is
    class 2.0
157 Its nearest neighbor is [2.0, 4.7632119, 2.0270127
    , 4.0803428] which is class 2.0
158 Instance [1.0, 3.7919193, 3.3317492, 3.607932] is
    class 1.0
159 Its nearest neighbor is [1.0, 3.7232688, 3.3564908
    , 3.6124911] which is class 1.0
160 Instance [2.0, 2.6815847, 1.4248362, 4.8843624] is
    class 2.0
161 Its nearest neighbor is [2.0, 2.8283063, 1.7322547
    , 5.1103527] which is class 2.0
162 Instance [1.0, 2.4623152, 2.0649464, 3.2815826] is
    class 1.0
163 Its nearest neighbor is [1.0, 2.5245451, 1.9914399
    , 3.3317481] which is class 1.0
164 Instance [2.0, 2.9455598, 3.4011598, 1.5400816] is
    class 2.0
165 Its nearest neighbor is [2.0, 3.0286421, 3.1889869
    , 1.5237622] which is class 2.0
166 Instance [1.0, 3.0206086, 3.0024789, 3.3802342] is
    class 1.0
167 Its nearest neighbor is [1.0, 3.162089, 3.1336169,
    3.4043205] which is class 1.0
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168 Instance [2.0, 2.6051731, 2.4832733, 2.9254471] is
  class 2.0
169 Its nearest neighbor is [2.0, 2.5968451, 2.5209123
  , 2.8711192] which is class 2.0
170 Instance [2.0, 3.1842679, 5.0359419, 1.6382183] is
  class 2.0
171 Its nearest neighbor is [2.0, 3.1953357, 4.7800607
  , 2.0604439] which is class 2.0
172 Instance [2.0, 2.393905, 2.9492959, 4.1216433] is
  class 2.0
173 Its nearest neighbor is [2.0, 2.448894, 2.9710575,
  4.0970758] which is class 2.0
174 Instance [2.0, 4.0034136, 2.38804, 3.000243] is
  class 2.0
175 Its nearest neighbor is [2.0, 3.9612975, 2.5671645
  , 2.9063876] which is class 2.0
176 Instance [2.0, 4.136771, 2.7392827, 4.1503036] is
  class 2.0
177 Its nearest neighbor is [2.0, 4.0123873, 2.6634998
  , 4.2342196] which is class 2.0
178 Instance [2.0, 2.1374916, 2.287405, 2.9461405] is
  class 2.0
179 Its nearest neighbor is [2.0, 2.0064067, 2.2466936
  , 2.8274974] which is class 2.0
180 Instance [2.0, 1.921279, 4.2325277, 1.701953] is
  class 2.0
181 Its nearest neighbor is [2.0, 2.0323155, 4.1221128
  , 1.853713] which is class 2.0
182 Instance [1.0, 2.723719, 2.2224405, 3.238289] is
  class 1.0
183 Its nearest neighbor is [1.0, 2.8295421, 2.239166,
  3.168595] which is class 1.0
184 Instance [2.0, 2.3987474, 2.9327143, 1.8746141] is
  class 2.0
185 Its nearest neighbor is [2.0, 2.2778016, 3.1054482
  , 1.7765458] which is class 2.0
186 Instance [2.0, 2.010285, 3.2496431, 3.5375299] is
  class 2.0
187 Its nearest neighbor is [2.0, 1.9444063, 3.2895702
  , 3.4196915] which is class 2.0
188 Instance [2.0, 4.8763161, 3.3729344, 1.4074296] is
```

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188 class 2.0
189 Its nearest neighbor is [2.0, 4.5589868, 3.7194863
, 1.4020797] which is class 2.0
190 Instance [2.0, 2.5938408, 4.6253684, 2.3225752] is
class 2.0
191 Its nearest neighbor is [2.0, 2.7327263, 4.5602119
, 2.51108] which is class 2.0
192 Instance [2.0, 3.9351921, 3.6371677, 2.5707913] is
class 2.0
193 Its nearest neighbor is [2.0, 3.8611813, 3.5370186
, 2.6055141] which is class 2.0
194 Instance [2.0, 4.182166, 2.9120252, 1.814675] is
class 2.0
195 Its nearest neighbor is [2.0, 4.2030925, 3.0981469
, 1.9257093] which is class 2.0
196 Instance [1.0, 2.8246614, 4.3108011, 3.1169322] is
class 1.0
197 Its nearest neighbor is [1.0, 2.9161388, 4.2206134
, 3.0843233] which is class 1.0
198 Instance [2.0, 2.6570265, 2.1705234, 1.9769779] is
class 2.0
199 Its nearest neighbor is [2.0, 2.5993223, 2.246818,
1.8954734] which is class 2.0
200 Instance [2.0, 4.0343717, 3.6141864, 2.1355019] is
class 2.0
201 Its nearest neighbor is [2.0, 3.8252434, 3.4379155
, 2.0473] which is class 2.0
202 Instance [2.0, 4.4870784, 2.5511891, 1.7643146] is
class 2.0
203 Its nearest neighbor is [2.0, 4.5287349, 2.9471404
, 1.8932725] which is class 2.0
204 Instance [2.0, 2.7892299, 1.2796873, 2.5328793] is
class 2.0
205 Its nearest neighbor is [2.0, 2.8442182, 1.4616686
, 2.8312446] which is class 2.0
206 Instance [2.0, 3.0089951, 3.8872133, 2.5577286] is
class 2.0
207 Its nearest neighbor is [2.0, 3.027371, 3.9031887,
2.6322112] which is class 2.0
208 Instance [2.0, 2.4010253, 2.2324041, 2.4501963] is
class 2.0
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209 Its nearest neighbor is [2.0, 2.5841143, 2.1353011  
    , 2.4108163] which is class 2.0  
210 Instance [2.0, 4.0092078, 4.2145477, 1.4078586] is  
    class 2.0  
211 Its nearest neighbor is [2.0, 3.7566244, 4.3316173  
    , 1.6110735] which is class 2.0  
212 Instance [1.0, 2.7102551, 3.0278478, 3.8101373] is  
    class 1.0  
213 Its nearest neighbor is [1.0, 2.7386773, 3.0996483  
    , 3.8598914] which is class 1.0  
214 Instance [2.0, 1.6911848, 1.5900687, 4.2297503] is  
    class 2.0  
215 Its nearest neighbor is [2.0, 1.785892, 1.8029146,  
    4.1819485] which is class 2.0  
216 Instance [2.0, 1.7239029, 4.709954, 2.4736656] is  
    class 2.0  
217 Its nearest neighbor is [2.0, 1.4378207, 4.6347553  
    , 2.47868] which is class 2.0  
218 Instance [1.0, 2.9339012, 2.251167, 3.1590527] is  
    class 1.0  
219 Its nearest neighbor is [1.0, 2.8295421, 2.239166,  
    3.168595] which is class 1.0  
220 Instance [2.0, 4.8703877, 2.9200231, 3.5314793] is  
    class 2.0  
221 Its nearest neighbor is [2.0, 4.6780207, 3.1582661  
    , 3.2619161] which is class 2.0  
222 Instance [1.0, 3.7193957, 3.1859699, 3.4160403] is  
    class 1.0  
223 Its nearest neighbor is [1.0, 3.6548766, 3.2397841  
    , 3.1843281] which is class 1.0  
224 Instance [2.0, 4.3809283, 2.609515, 2.7503547] is  
    class 2.0  
225 Its nearest neighbor is [2.0, 4.367211, 2.4702118,  
    2.647638] which is class 2.0  
226 Instance [2.0, 3.3303651, 2.5224293, 2.7850402] is  
    class 2.0  
227 Its nearest neighbor is [2.0, 3.3596244, 2.4811803  
    , 2.8384441] which is class 2.0  
228 Instance [2.0, 2.9997231, 5.1907786, 3.7219387] is  
    class 2.0  
229 Its nearest neighbor is [2.0, 2.9427967, 4.930797,
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229 4.049223] which is class 2.0
230 Instance [1.0, 3.0852851, 1.0935006, 3.0590434] is
    class 1.0
231 Its nearest neighbor is [1.0, 2.9771992, 1.1180986
    , 3.1963528] which is class 1.0
232 Instance [2.0, 1.2834651, 3.3262513, 2.9305687] is
    class 2.0
233 Its nearest neighbor is [2.0, 1.1691263, 3.3656964
    , 3.1705509] which is class 2.0
234 Instance [2.0, 3.0452874, 2.7019476, 2.1584036] is
    class 2.0
235 Its nearest neighbor is [2.0, 2.9794347, 2.777219,
    2.1185105] which is class 2.0
236 Instance [1.0, 2.9187328, 2.507066, 3.7754634] is
    class 1.0
237 Its nearest neighbor is [1.0, 2.7784985, 2.5732859
    , 3.7216416] which is class 1.0
238 Instance [1.0, 3.0789054, 2.7250233, 3.0520056] is
    class 1.0
239 Its nearest neighbor is [1.0, 2.9722399, 2.8766085
    , 3.0275085] which is class 1.0
240 Instance [2.0, 2.0189119, 1.2353987, 1.3469723] is
    class 2.0
241 Its nearest neighbor is [2.0, 1.7875823, 1.2365053
    , 1.7706465] which is class 2.0
242 Instance [2.0, 3.8564425, 3.7912829, 1.3646449] is
    class 2.0
243 Its nearest neighbor is [2.0, 4.1444635, 3.577465,
    1.4950411] which is class 2.0
244 Instance [2.0, 3.4587809, 2.3377431, 2.5595532] is
    class 2.0
245 Its nearest neighbor is [2.0, 3.6001553, 2.4324279
    , 2.4562631] which is class 2.0
246 Instance [2.0, 3.0971845, 2.4431431, 5.8837721] is
    class 2.0
247 Its nearest neighbor is [2.0, 3.2271055, 2.299643,
    5.8437307] which is class 2.0
248 Instance [2.0, 4.2977009, 4.4473321, 3.4731347] is
    class 2.0
249 Its nearest neighbor is [2.0, 4.0742479, 4.4492845
    , 3.4203624] which is class 2.0
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250 Instance [2.0, 3.1356989, 3.5743518, 4.4381459] is
  class 2.0
251 Its nearest neighbor is [2.0, 3.3039492, 3.6170217
  , 4.4649944] which is class 2.0
252 Instance [2.0, 1.8574019, 3.332066, 2.4734424] is
  class 2.0
253 Its nearest neighbor is [2.0, 1.6812653, 3.3383437
  , 2.4194803] which is class 2.0
254 Instance [2.0, 4.9415706, 1.9604082, 2.5905738] is
  class 2.0
255 Its nearest neighbor is [2.0, 4.7510396, 2.3295158
  , 2.5746109] which is class 2.0
256 Instance [2.0, 2.3890289, 0.61694632, 1.3383433] is
  class 2.0
257 Its nearest neighbor is [2.0, 2.3283175, 0.90427588
  , 1.9032055] which is class 2.0
258 Instance [2.0, 3.3677992, 0.75814112, 3.4773625] is
  class 2.0
259 Its nearest neighbor is [2.0, 3.2106924, 0.75010176
  , 3.0808354] which is class 2.0
260 Instance [2.0, 3.6924614, 3.2945867, 1.9534699] is
  class 2.0
261 Its nearest neighbor is [2.0, 3.8951293, 3.293277,
  1.924359] which is class 2.0
262 Instance [2.0, 1.2081021, 2.4866697, 3.9485364] is
  class 2.0
263 Its nearest neighbor is [2.0, 1.3105041, 2.3241898
  , 3.8205605] which is class 2.0
264 Instance [2.0, 2.5768951, 1.6954538, 2.8566163] is
  class 2.0
265 Its nearest neighbor is [2.0, 2.6576053, 1.9934624
  , 2.7053653] which is class 2.0
266 Instance [2.0, 3.1543123, 2.1888901, 2.9507422] is
  class 2.0
267 Its nearest neighbor is [2.0, 3.0504341, 2.1916819
  , 2.9136213] which is class 2.0
268 Instance [2.0, 2.3309087, 3.0816505, 2.2770093] is
  class 2.0
269 Its nearest neighbor is [2.0, 2.2098114, 2.9073114
  , 2.3143362] which is class 2.0
270 Instance [2.0, 3.0589791, 0.90179933, 3.0360466] is
```

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270 class 1.0
271 Its nearest neighbor is [1.0, 3.0852851, 1.0935006
, 3.0590434] which is class 1.0
272 Instance [1.0, 2.5245451, 1.9914399, 3.3317481] is
class 1.0
273 Its nearest neighbor is [1.0, 2.4623152, 2.0649464
, 3.2815826] which is class 1.0
274 Instance [2.0, 4.045473, 2.9677577, 2.8695676] is
class 2.0
275 Its nearest neighbor is [2.0, 4.0838164, 2.9701666
, 2.8290954] which is class 2.0
276 Instance [2.0, 3.6661512, 1.5447849, 2.3875691] is
class 2.0
277 Its nearest neighbor is [2.0, 3.7964398, 1.8182284
, 2.3786517] which is class 2.0
278 Instance [2.0, 2.8304737, 2.1687147, 2.9082354] is
class 2.0
279 Its nearest neighbor is [2.0, 2.7569967, 1.9935839
, 2.9621336] which is class 2.0
280 Instance [2.0, 2.3909904, 1.9190203, 4.3502116] is
class 2.0
281 Its nearest neighbor is [2.0, 2.4953702, 1.9341179
, 4.3256817] which is class 2.0
282 Instance [1.0, 3.6966444, 2.2328711, 3.0076214] is
class 2.0
283 Its nearest neighbor is [2.0, 3.7849744, 2.406128,
2.8462709] which is class 2.0
284 Instance [2.0, 4.3666028, 3.2149136, 3.8745111] is
class 2.0
285 Its nearest neighbor is [2.0, 4.2091515, 3.0113991
, 3.8630255] which is class 2.0
286 Instance [2.0, 2.3691536, 1.4173952, 2.7942287] is
class 2.0
287 Its nearest neighbor is [2.0, 2.2648963, 1.404267,
2.8878652] which is class 2.0
288 Instance [2.0, 0.8177687, 3.2511947, 2.6690252] is
class 2.0
289 Its nearest neighbor is [2.0, 0.93128694, 3.3336619
, 2.4635747] which is class 2.0
290 Instance [2.0, 3.9195963, 2.8905343, 3.9436333] is
class 2.0
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291 Its nearest neighbor is [2.0, 4.185264, 2.91304, 3.8707496] which is class 2.0
292 Instance [2.0, 4.0762348, 3.5102135, 4.4296151] is class 2.0
293 Its nearest neighbor is [2.0, 3.9454827, 3.47392, 4.4055902] which is class 2.0
294 Instance [2.0, 1.792508, 3.6246197, 2.8271302] is class 2.0
295 Its nearest neighbor is [2.0, 1.6056011, 3.4419406, 2.6564809] which is class 2.0
296 Instance [2.0, 4.2434717, 2.8336787, 3.0914685] is class 2.0
297 Its nearest neighbor is [2.0, 4.3515751, 2.7432573, 2.9829434] which is class 2.0
298 Instance [2.0, 4.0742479, 4.4492845, 3.4203624] is class 2.0
299 Its nearest neighbor is [2.0, 4.0837752, 4.6669385, 3.3591629] which is class 2.0
300 Instance [2.0, 3.923699, 2.2718858, 3.9158532] is class 2.0
301 Its nearest neighbor is [2.0, 4.0545641, 2.3739547, 4.0812619] which is class 2.0
302 Instance [1.0, 2.6201183, 4.4789905, 3.2133418] is class 1.0
303 Its nearest neighbor is [1.0, 2.6771097, 4.4837501, 3.3044047] which is class 1.0
304 Instance [2.0, 2.7549658, 2.2322644, 1.6579732] is class 2.0
305 Its nearest neighbor is [2.0, 2.5993223, 2.246818, 1.8954734] which is class 2.0
306 Instance [2.0, 4.398249, 3.9533192, 3.7747568] is class 2.0
307 Its nearest neighbor is [2.0, 4.235628, 4.0477643, 3.5599743] which is class 2.0
308 Instance [2.0, 2.5578332, 2.2133192, 2.1427009] is class 2.0
309 Its nearest neighbor is [2.0, 2.6570265, 2.1705234, 1.9769779] which is class 2.0
310 Instance [1.0, 3.7830605, 3.139594, 3.1776702] is class 1.0
311 Its nearest neighbor is [1.0, 3.7890563, 3.2377338

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311 , 3.0844073] which is class 1.0
312 Instance [2.0, 4.6051878, 2.4073233, 3.6199424] is
    class 2.0
313 Its nearest neighbor is [2.0, 4.336442, 2.3466474,
    3.6786129] which is class 2.0
314 Instance [2.0, 3.0080193, 3.6155107, 2.2742558] is
    class 2.0
315 Its nearest neighbor is [2.0, 3.1545372, 3.5553998
    , 2.1968546] which is class 2.0
316 Instance [2.0, 3.1802878, 3.2237548, 3.9857635] is
    class 1.0
317 Its nearest neighbor is [1.0, 3.0931853, 3.2362443
    , 3.8321486] which is class 1.0
318 Instance [2.0, 3.9612975, 2.5671645, 2.9063876] is
    class 2.0
319 Its nearest neighbor is [2.0, 4.0582246, 2.6897402
    , 2.8233751] which is class 2.0
320 Instance [1.0, 2.5561383, 4.0248451, 3.015117] is
    class 1.0
321 Its nearest neighbor is [1.0, 2.5798437, 3.9707804
    , 3.145157] which is class 1.0
322 Instance [1.0, 2.5129279, 3.1775119, 3.3211862] is
    class 1.0
323 Its nearest neighbor is [1.0, 2.4879621, 3.3468621
    , 3.255952] which is class 1.0
324 Instance [2.0, 1.9286645, 2.6033026, 2.4791166] is
    class 2.0
325 Its nearest neighbor is [2.0, 1.8461508, 2.5367137
    , 2.4528531] which is class 2.0
326 Instance [2.0, 2.8283063, 1.7322547, 5.1103527] is
    class 2.0
327 Its nearest neighbor is [2.0, 2.6809401, 2.1103798
    , 5.1078886] which is class 2.0
328 Instance [2.0, 2.7816597, 2.637586, 2.6969511] is
    class 2.0
329 Its nearest neighbor is [2.0, 2.6858256, 2.694591,
    2.6323208] which is class 2.0
330 Instance [2.0, 2.565019, 2.040141, 3.9120249] is
    class 1.0
331 Its nearest neighbor is [1.0, 2.6251409, 2.198455,
    3.9186054] which is class 1.0
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332 Instance [2.0, 2.447783, 3.6642102, 2.3909356] is
    class 2.0
333 Its nearest neighbor is [2.0, 2.267708, 3.6400932,
    2.2682671] which is class 2.0
334 Instance [2.0, 2.103251, 1.7592909, 2.4483089] is
    class 2.0
335 Its nearest neighbor is [2.0, 2.3424101, 1.7175791
    , 2.3339689] which is class 2.0
336 Instance [2.0, 2.5157713, 5.7078346, 2.7945129] is
    class 2.0
337 Its nearest neighbor is [2.0, 2.8691038, 5.633218,
    3.130151] which is class 2.0
338 Instance [2.0, 1.9222106, 1.3743835, 3.2032292] is
    class 2.0
339 Its nearest neighbor is [2.0, 1.8994095, 1.5718662
    , 3.1076497] which is class 2.0
340 Instance [2.0, 6.0016256, 2.3708071, 3.4509765] is
    class 2.0
341 Its nearest neighbor is [2.0, 6.4007726, 2.7645429
    , 3.9727786] which is class 2.0
342 Instance [2.0, 3.7024143, 3.1836819, 0.5828946] is
    class 2.0
343 Its nearest neighbor is [2.0, 3.8291839, 2.9688315
    , 0.89161798] which is class 2.0
344 Instance [2.0, 3.2443692, 4.325564, 2.8446161] is
    class 2.0
345 Its nearest neighbor is [2.0, 3.3367405, 4.3185951
    , 2.723226] which is class 2.0
346 Instance [2.0, 2.2329163, 3.8432063, 2.4896436] is
    class 2.0
347 Its nearest neighbor is [2.0, 2.2109125, 3.693254,
    2.4785544] which is class 2.0
348 Instance [2.0, 4.6780207, 3.1582661, 3.2619161] is
    class 2.0
349 Its nearest neighbor is [2.0, 4.4147573, 3.2006866
    , 3.1290647] which is class 2.0
350 Instance [2.0, 1.725747, 3.4897161, 3.4780746] is
    class 2.0
351 Its nearest neighbor is [2.0, 1.9444063, 3.2895702
    , 3.4196915] which is class 2.0
352 Instance [2.0, 2.7898555, 1.9473153, 2.5124635] is
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352 class 2.0
353 Its nearest neighbor is [2.0, 2.6576053, 1.9934624
, 2.7053653] which is class 2.0
354 Instance [2.0, 3.0017081, 2.4593358, 2.4731937] is
class 2.0
355 Its nearest neighbor is [2.0, 3.0710925, 2.3320146
, 2.4141025] which is class 2.0
356 Instance [1.0, 2.5404605, 4.0359432, 3.3093284] is
class 1.0
357 Its nearest neighbor is [1.0, 2.5798437, 3.9707804
, 3.145157] which is class 1.0
358 Instance [2.0, 2.0063784, 3.9947375, 1.4723752] is
class 2.0
359 Its nearest neighbor is [2.0, 1.921279, 4.2325277,
1.701953] which is class 2.0
360 Instance [2.0, 4.1403108, 2.4960377, 3.3902485] is
class 2.0
361 Its nearest neighbor is [2.0, 4.1828597, 2.4485959
, 3.4099834] which is class 2.0
362 Instance [2.0, 3.4396794, 4.3127519, 1.8573296] is
class 2.0
363 Its nearest neighbor is [2.0, 3.2765227, 4.4932282
, 1.8944174] which is class 2.0
364 Instance [2.0, 4.2091515, 3.0113991, 3.8630255] is
class 2.0
365 Its nearest neighbor is [2.0, 4.185264, 2.91304, 3.
8707496] which is class 2.0
366 Instance [2.0, 3.771121, 1.0227836, 2.26379] is
class 2.0
367 Its nearest neighbor is [2.0, 3.2474427, 0.93460845
, 2.385283] which is class 2.0
368 Instance [1.0, 2.6372527, 3.5686443, 3.5363356] is
class 1.0
369 Its nearest neighbor is [1.0, 2.5220515, 3.6209606
, 3.516623] which is class 1.0
370 Instance [2.0, 3.361165, 6.2335781, 3.3855378] is
class 2.0
371 Its nearest neighbor is [2.0, 3.4312526, 5.5982987
, 3.0265702] which is class 2.0
372 Instance [1.0, 2.8295421, 2.239166, 3.168595] is
class 1.0
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373 Its nearest neighbor is [1.0, 2.9339012, 2.251167,  
3.1590527] which is class 1.0  
374 Instance [2.0, 1.3030006, 3.9676715, 2.6191504] is  
class 2.0  
375 Its nearest neighbor is [2.0, 1.3278091, 4.135559,  
2.8854362] which is class 2.0  
376 Instance [2.0, 2.1942693, 2.3863806, 2.7057988] is  
class 2.0  
377 Its nearest neighbor is [2.0, 2.1834259, 2.3345681  
, 2.6756852] which is class 2.0  
378 Instance [2.0, 0.859016, 2.5203784, 2.3412721] is  
class 2.0  
379 Its nearest neighbor is [2.0, 0.46766542, 2.4806771  
, 2.4212334] which is class 2.0  
380 Instance [2.0, 2.5503177, 2.5388672, 2.7860219] is  
class 2.0  
381 Its nearest neighbor is [2.0, 2.5968451, 2.5209123  
, 2.8711192] which is class 2.0  
382 Instance [2.0, 2.1974845, 3.5612189, 2.7828592] is  
class 2.0  
383 Its nearest neighbor is [2.0, 2.1282385, 3.6753408  
, 2.673439] which is class 2.0  
384 Instance [2.0, 3.3194068, 3.1579893, 2.8101127] is  
class 2.0  
385 Its nearest neighbor is [2.0, 3.4397481, 3.2444666  
, 2.903753] which is class 2.0  
386 Instance [1.0, 3.4184502, 3.7869419, 3.3350705] is  
class 1.0  
387 Its nearest neighbor is [1.0, 3.176353, 3.6178039,  
3.4276354] which is class 1.0  
388 Instance [1.0, 2.4510291, 4.3406698, 3.2676348] is  
class 1.0  
389 Its nearest neighbor is [1.0, 2.463027, 4.3163344,  
3.2873897] which is class 1.0  
390 Instance [2.0, 3.6840527, 4.0216176, 3.7433421] is  
class 1.0  
391 Its nearest neighbor is [1.0, 3.4179619, 3.9384116  
, 3.6822093] which is class 1.0  
392 Instance [1.0, 2.3828981, 2.0358723, 3.1259888] is  
class 1.0  
393 Its nearest neighbor is [1.0, 2.3674753, 2.0197722
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393 , 3.0921141] which is class 1.0
394 Instance [2.0, 2.4668694, 3.650992, 4.5540806] is
    class 2.0
395 Its nearest neighbor is [2.0, 2.475935, 3.7310283,
    4.7006304] which is class 2.0
396 Instance [2.0, 1.8598724, 3.0078634, 4.5270658] is
    class 2.0
397 Its nearest neighbor is [2.0, 1.671612, 2.9583209,
    4.2273529] which is class 2.0
398 Instance [2.0, 2.2503589, 3.8994503, 2.7919606] is
    class 2.0
399 Its nearest neighbor is [2.0, 2.0943444, 4.0179496
    , 2.8517251] which is class 2.0
400 Instance [2.0, 4.235628, 4.0477643, 3.5599743] is
    class 2.0
401 Its nearest neighbor is [2.0, 4.3104048, 3.9835286
    , 3.4581515] which is class 2.0
402 Instance [2.0, 3.5905772, 3.61915, 2.730827] is
    class 2.0
403 Its nearest neighbor is [2.0, 3.5325673, 3.403347,
    2.6838097] which is class 2.0
404 Instance [2.0, 2.7203555, 4.2695739, 2.9122758] is
    class 1.0
405 Its nearest neighbor is [1.0, 2.6047428, 4.2343492
    , 3.0498308] which is class 1.0
406 Instance [2.0, 3.5681901, 4.4333356, 1.6722404] is
    class 2.0
407 Its nearest neighbor is [2.0, 3.7566244, 4.3316173
    , 1.6110735] which is class 2.0
408 Instance [2.0, 3.1460955, 1.5580483, 2.6263138] is
    class 2.0
409 Its nearest neighbor is [2.0, 3.0741236, 1.5360161
    , 2.6187111] which is class 2.0
410 Instance [2.0, 3.0858576, 2.6276204, 4.1357506] is
    class 2.0
411 Its nearest neighbor is [2.0, 2.9453213, 2.4653532
    , 4.0613221] which is class 2.0
412 Instance [2.0, 1.3208893, 1.9405562, 3.5371014] is
    class 2.0
413 Its nearest neighbor is [2.0, 1.601511, 2.0171979,
    3.498029] which is class 2.0
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414 Instance [2.0, 2.659863, 4.894133, 1.7014644] is
    class 2.0
415 Its nearest neighbor is [2.0, 2.6787826, 4.7776459
    , 1.2610195] which is class 2.0
416 Instance [2.0, 3.5969396, 2.8057875, 2.5253537] is
    class 2.0
417 Its nearest neighbor is [2.0, 3.8371485, 2.8568364
    , 2.5301436] which is class 2.0
418 Instance [2.0, 0.75584269, 2.8253089, 4.3865958] is
    class 2.0
419 Its nearest neighbor is [2.0, 0.87247397, 2.6903986
    , 4.0847762] which is class 2.0
420 Instance [2.0, 2.4959174, 3.5891747, 2.0720785] is
    class 2.0
421 Its nearest neighbor is [2.0, 2.2765347, 3.672351,
    2.0475094] which is class 2.0
422 Instance [2.0, 2.457081, 3.1841279, 5.3273016] is
    class 2.0
423 Its nearest neighbor is [2.0, 2.2209083, 2.8843613
    , 5.5229476] which is class 2.0
424 Instance [2.0, 2.2298334, 2.9109875, 4.4236417] is
    class 2.0
425 Its nearest neighbor is [2.0, 2.2245555, 2.6313702
    , 4.5061462] which is class 2.0
426 Instance [2.0, 2.2466234, 3.3226947, 2.6997479] is
    class 2.0
427 Its nearest neighbor is [2.0, 2.2194272, 3.3591473
    , 2.636892] which is class 2.0
428 Instance [2.0, 2.2092958, 1.0120264, 4.7710173] is
    class 2.0
429 Its nearest neighbor is [2.0, 2.2800623, 0.76125854
    , 4.2409236] which is class 2.0
430 Instance [2.0, 3.993018, 1.2663451, 5.3369361] is
    class 2.0
431 Its nearest neighbor is [2.0, 3.8581685, 1.4861806
    , 5.0108334] which is class 2.0
432 Instance [1.0, 3.6226811, 2.6011548, 3.184777] is
    class 1.0
433 Its nearest neighbor is [1.0, 3.6384673, 2.5553687
    , 3.2685137] which is class 1.0
434 Instance [2.0, 2.3660291, 4.4785077, 2.4095116] is
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434 class 2.0
435 Its nearest neighbor is [2.0, 2.3037125, 4.4078581
, 2.5619846] which is class 2.0
436 Instance [2.0, 1.863734, 1.0644786, 2.8489434] is
class 2.0
437 Its nearest neighbor is [2.0, 1.6508016, 1.1642233
, 2.7262583] which is class 2.0
438 Instance [2.0, 2.4446608, 2.6141668, 4.1487146] is
class 2.0
439 Its nearest neighbor is [2.0, 2.3147234, 2.6681647
, 4.2458059] which is class 2.0
440 Instance [2.0, 4.3360147, 1.9862572, 1.2166864] is
class 2.0
441 Its nearest neighbor is [2.0, 4.6036164, 2.1499751
, 1.235859] which is class 2.0
442 Instance [2.0, 2.2752891, 2.5138258, 1.6357871] is
class 2.0
443 Its nearest neighbor is [2.0, 1.943685, 2.242554, 1
.5370748] which is class 2.0
444 Instance [2.0, 1.9048915, 2.2596231, 1.5267254] is
class 2.0
445 Its nearest neighbor is [2.0, 1.943685, 2.242554, 1
.5370748] which is class 2.0
446 Instance [2.0, 4.1124401, 2.2946485, 2.6674021] is
class 2.0
447 Its nearest neighbor is [2.0, 4.0788913, 2.5618198
, 2.6027729] which is class 2.0
448 Instance [2.0, 3.3367405, 4.3185951, 2.723226] is
class 2.0
449 Its nearest neighbor is [2.0, 3.3478894, 4.3208782
, 2.6312031] which is class 2.0
450 Instance [2.0, 2.6473967, 3.1289085, 4.7576233] is
class 2.0
451 Its nearest neighbor is [2.0, 2.4930594, 2.9513912
, 4.679057] which is class 2.0
452 Instance [2.0, 2.3059096, 4.0192985, 4.7326119] is
class 2.0
453 Its nearest neighbor is [2.0, 2.475935, 3.7310283,
4.7006304] which is class 2.0
454 Instance [2.0, 4.159025, 1.7450417, -0.44592992] is
class 2.0
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455 Its nearest neighbor is [2.0, 4.5772001, 1.6637863  
, 0.59385895] which is class 2.0  
456 Instance [2.0, 2.1389728, 3.4030031, 2.6006052] is  
class 2.0  
457 Its nearest neighbor is [2.0, 2.2194272, 3.3591473  
, 2.636892] which is class 2.0  
458 Instance [2.0, 2.8096879, 4.0746146, 2.5829911] is  
class 2.0  
459 Its nearest neighbor is [2.0, 2.696155, 4.0696728,  
2.4250894] which is class 2.0  
460 Instance [2.0, 1.9765564, 3.5087506, 3.0891281] is  
class 2.0  
461 Its nearest neighbor is [2.0, 2.0163007, 3.653998,  
3.2234049] which is class 2.0  
462 Instance [2.0, 4.336442, 2.3466474, 3.6786129] is  
class 2.0  
463 Its nearest neighbor is [2.0, 4.6051878, 2.4073233  
, 3.6199424] which is class 2.0  
464 Instance [2.0, 3.5976165, 2.8386809, 2.8163331] is  
class 2.0  
465 Its nearest neighbor is [2.0, 3.612481, 3.0047133,  
2.7342386] which is class 2.0  
466 Instance [2.0, 1.5086222, 2.3551513, 2.9912854] is  
class 2.0  
467 Its nearest neighbor is [2.0, 1.7395109, 2.2884259  
, 2.9644939] which is class 2.0  
468 Instance [2.0, 2.834411, 3.8525032, 4.1998517] is  
class 1.0  
469 Its nearest neighbor is [1.0, 2.6915691, 3.8284745  
, 3.878108] which is class 1.0  
470 Instance [2.0, 0.91115054, 1.9240424, 3.8274197] is  
class 2.0  
471 Its nearest neighbor is [2.0, 1.3208893, 1.9405562  
, 3.5371014] which is class 2.0  
472 Instance [2.0, 3.7096212, 4.5453488, 2.3454082] is  
class 2.0  
473 Its nearest neighbor is [2.0, 3.5445992, 4.4038534  
, 2.4293832] which is class 2.0  
474 Instance [2.0, 1.7080641, 3.6650143, 3.2002574] is  
class 2.0  
475 Its nearest neighbor is [2.0, 1.6974238, 3.7592004
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475 , 3.3226586] which is class 2.0
476 Instance [1.0, 2.0904947, 4.5720091, 3.3521839] is
   class 2.0
477 Its nearest neighbor is [2.0, 2.1141032, 4.4977882
   , 3.5042259] which is class 2.0
478 Instance [2.0, 5.3485614, 2.9473121, 3.9984912] is
   class 2.0
479 Its nearest neighbor is [2.0, 5.2915808, 2.4649764
   , 3.9305201] which is class 2.0
480 Instance [1.0, 3.3673067, 1.5497902, 3.4327513] is
   class 1.0
481 Its nearest neighbor is [1.0, 3.3423464, 1.7759572
   , 3.2269698] which is class 1.0
482 Instance [1.0, 3.0601134, 3.4774761, 3.0292705] is
   class 1.0
483 Its nearest neighbor is [1.0, 3.0190432, 3.3570084
   , 3.1523542] which is class 1.0
484 Instance [2.0, 3.8657169, 2.9261329, 2.4391649] is
   class 2.0
485 Its nearest neighbor is [2.0, 3.887594, 2.9165094,
   2.4495996] which is class 2.0
486 Instance [2.0, 2.1033984, 2.5528684, 2.7185676] is
   class 2.0
487 Its nearest neighbor is [2.0, 2.1708491, 2.3886223
   , 2.7636116] which is class 2.0
488 Instance [2.0, 3.3039492, 3.6170217, 4.4649944] is
   class 2.0
489 Its nearest neighbor is [2.0, 3.1356989, 3.5743518
   , 4.4381459] which is class 2.0
490 Instance [2.0, 1.6088885, 1.3319353, 1.6302116] is
   class 2.0
491 Its nearest neighbor is [2.0, 1.7875823, 1.2365053
   , 1.7706465] which is class 2.0
492 Instance [2.0, 4.185264, 2.91304, 3.8707496] is
   class 2.0
493 Its nearest neighbor is [2.0, 4.2091515, 3.0113991
   , 3.8630255] which is class 2.0
494 Instance [2.0, 3.6551999, 4.3202901, 2.8793365] is
   class 1.0
495 Its nearest neighbor is [1.0, 3.6519567, 4.3031125
   , 3.0817059] which is class 1.0
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496 Instance [1.0, 3.4819095, 3.3701935, 3.7120075] is
  class 1.0
497 Its nearest neighbor is [1.0, 3.4553967, 3.3412119
  , 3.5334003] which is class 1.0
498 Instance [2.0, 3.3697551, 3.6386461, 0.91722167] is
  class 2.0
499 Its nearest neighbor is [2.0, 3.3821009, 3.5765046
  , 1.109851] which is class 2.0
500 Instance [2.0, 2.7327263, 4.5602119, 2.51108] is
  class 2.0
501 Its nearest neighbor is [2.0, 2.6755512, 4.7140101
  , 2.6561541] which is class 2.0
502 Instance [2.0, 3.4199092, 3.1137605, 2.63083] is
  class 2.0
503 Its nearest neighbor is [2.0, 3.5375982, 3.0552965
  , 2.7183827] which is class 2.0
504 Instance [1.0, 3.6306615, 4.7064209, 3.4922242] is
  class 1.0
505 Its nearest neighbor is [1.0, 3.8239477, 4.4223167
  , 3.5157939] which is class 1.0
506 Instance [2.0, 1.7917348, 3.1163479, 3.0532972] is
  class 2.0
507 Its nearest neighbor is [2.0, 1.8601418, 3.2650599
  , 2.9403731] which is class 2.0
508 Instance [2.0, 3.1214159, 3.9234235, 4.5092015] is
  class 2.0
509 Its nearest neighbor is [2.0, 3.1898036, 4.0463546
  , 4.4816516] which is class 2.0
510 Instance [1.0, 3.6731429, 3.6113498, 3.2401964] is
  class 1.0
511 Its nearest neighbor is [1.0, 3.6048451, 3.6124341
  , 3.1444052] which is class 1.0
512 Instance [1.0, 3.1810515, 4.3800436, 3.9327489] is
  class 1.0
513 Its nearest neighbor is [1.0, 3.0529012, 4.1299538
  , 3.8612787] which is class 1.0
514 Instance [2.0, 1.9669852, 3.2150939, 3.0478633] is
  class 2.0
515 Its nearest neighbor is [2.0, 1.8601418, 3.2650599
  , 2.9403731] which is class 2.0
516 Instance [2.0, 1.7430822, 2.9821943, 3.6171017] is
```

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516 class 2.0
517 Its nearest neighbor is [2.0, 1.571394, 2.9967045,
   3.4036449] which is class 2.0
518 Instance [1.0, 2.2049745, 2.4317289, 3.3456329] is
   class 2.0
519 Its nearest neighbor is [2.0, 2.1021148, 2.5413964
   , 3.454731] which is class 2.0
520 Instance [2.0, 2.2278221, 2.5939173, 3.921006] is
   class 2.0
521 Its nearest neighbor is [2.0, 2.2925328, 2.4355455
   , 4.1207274] which is class 2.0
522 Instance [1.0, 3.7082388, 4.4902609, 3.155441] is
   class 1.0
523 Its nearest neighbor is [1.0, 3.6519567, 4.3031125
   , 3.0817059] which is class 1.0
524 Instance [1.0, 3.0008078, 1.1871325, 3.7117582] is
   class 1.0
525 Its nearest neighbor is [1.0, 2.9938226, 1.4349785
   , 3.8386236] which is class 1.0
526 Instance [2.0, 5.5965831, 3.6960979, 1.8274424] is
   class 2.0
527 Its nearest neighbor is [2.0, 4.8763161, 3.3729344
   , 1.4074296] which is class 2.0
528 Instance [1.0, 2.5658103, 2.9901762, 3.6181297] is
   class 1.0
529 Its nearest neighbor is [1.0, 2.4748983, 3.0083277
   , 3.6188526] which is class 1.0
530 Instance [2.0, 1.8114187, 2.354441, 2.5570133] is
   class 2.0
531 Its nearest neighbor is [2.0, 1.8461508, 2.5367137
   , 2.4528531] which is class 2.0
532 Instance [2.0, 2.8691038, 5.633218, 3.130151] is
   class 2.0
533 Its nearest neighbor is [2.0, 2.8252228, 5.2514676
   , 3.1845425] which is class 2.0
534 Instance [2.0, 3.8763532, 1.2281586, 2.8576542] is
   class 2.0
535 Its nearest neighbor is [2.0, 3.6452791, 1.4293238
   , 2.8518155] which is class 2.0
536 Instance [2.0, 3.6805273, 2.6465176, 2.7676312] is
   class 2.0
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537 Its nearest neighbor is [2.0, 3.5976165, 2.8386809  
, 2.8163331] which is class 2.0  
538 Instance [2.0, 4.3005521, 2.1872224, 3.3379964] is  
class 2.0  
539 Its nearest neighbor is [2.0, 4.3795553, 2.0365688  
, 3.1488899] which is class 2.0  
540 Instance [1.0, 2.9475269, 2.1647408, 3.4541758] is  
class 1.0  
541 Its nearest neighbor is [1.0, 2.9993042, 2.1510365  
, 3.4417925] which is class 1.0  
542 Instance [2.0, 3.2606756, 3.5728823, 2.8547195] is  
class 2.0  
543 Its nearest neighbor is [2.0, 3.1526454, 3.3828263  
, 2.8958903] which is class 2.0  
544 Instance [2.0, 3.1921686, 3.8824993, 2.9775386] is  
class 2.0  
545 Its nearest neighbor is [2.0, 3.2074323, 3.998107,  
2.9415122] which is class 2.0  
546 Instance [2.0, 1.8827843, 2.5860397, 3.2233773] is  
class 2.0  
547 Its nearest neighbor is [2.0, 1.842613, 2.7329961,  
3.2429324] which is class 2.0  
548 Instance [2.0, 2.6227165, 3.1373672, 4.3388416] is  
class 2.0  
549 Its nearest neighbor is [2.0, 2.4939884, 3.0130709  
, 4.2944703] which is class 2.0  
550 Instance [2.0, 2.0163007, 3.653998, 3.2234049] is  
class 2.0  
551 Its nearest neighbor is [2.0, 1.9458728, 3.8416872  
, 3.2371309] which is class 2.0  
552 Instance [2.0, 2.9371635, 3.0233008, 1.9070797] is  
class 2.0  
553 Its nearest neighbor is [2.0, 2.9974809, 3.1118216  
, 1.9262681] which is class 2.0  
554 Instance [1.0, 3.1185925, 1.2532651, 3.1935121] is  
class 1.0  
555 Its nearest neighbor is [1.0, 3.0950942, 1.3419041  
, 3.1442421] which is class 1.0  
556 Instance [2.0, 3.902898, 2.3615507, 1.5541803] is  
class 2.0  
557 Its nearest neighbor is [2.0, 3.8020044, 2.3544752
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557 , 1.7536169] which is class 2.0
558 Instance [2.0, 3.1974956, 4.89742, 0.95481979] is
      class 2.0
559 Its nearest neighbor is [2.0, 2.6787826, 4.7776459
      , 1.2610195] which is class 2.0
560 Instance [2.0, 2.9794347, 2.777219, 2.1185105] is
      class 2.0
561 Its nearest neighbor is [2.0, 3.0452874, 2.7019476
      , 2.1584036] which is class 2.0
562 Instance [1.0, 2.1740555, 2.9384071, 3.5267213] is
      class 1.0
563 Its nearest neighbor is [1.0, 2.3166661, 2.8284926
      , 3.6308419] which is class 1.0
564 Instance [2.0, 2.0210743, 2.2364147, 2.2750971] is
      class 2.0
565 Its nearest neighbor is [2.0, 1.9959816, 2.0900971
      , 2.2548966] which is class 2.0
566 Instance [1.0, 3.4853913, 3.2444061, 3.5553595] is
      class 1.0
567 Its nearest neighbor is [1.0, 3.4553967, 3.3412119
      , 3.5334003] which is class 1.0
568 Instance [1.0, 2.7857339, 3.0919864, 3.8984682] is
      class 1.0
569 Its nearest neighbor is [1.0, 2.7386773, 3.0996483
      , 3.8598914] which is class 1.0
570 Instance [2.0, 4.7727517, 2.6221964, 4.0265686] is
      class 2.0
571 Its nearest neighbor is [2.0, 4.5868335, 2.6987885
      , 4.1617993] which is class 2.0
572 Instance [2.0, 2.3834324, 2.5373352, 2.6593401] is
      class 2.0
573 Its nearest neighbor is [2.0, 2.5503177, 2.5388672
      , 2.7860219] which is class 2.0
574 Instance [2.0, 3.9682213, 2.9963797, 3.4577178] is
      class 2.0
575 Its nearest neighbor is [2.0, 3.995656, 3.0280511,
      3.3409767] which is class 2.0
576 Instance [2.0, 3.4484574, 3.9286995, 2.7955732] is
      class 2.0
577 Its nearest neighbor is [2.0, 3.3711744, 3.8814548
      , 2.8184944] which is class 2.0
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578 Instance [2.0, 3.0758454, 4.7646936, 5.1410808] is
      class 2.0
579 Its nearest neighbor is [2.0, 2.8477849, 4.5003, 5.
      2173367] which is class 2.0
580 Instance [2.0, 2.4939884, 3.0130709, 4.2944703] is
      class 2.0
581 Its nearest neighbor is [2.0, 2.6227165, 3.1373672
      , 4.3388416] which is class 2.0
582 Instance [1.0, 2.5376272, 2.8643265, 3.264018] is
      class 1.0
583 Its nearest neighbor is [1.0, 2.4231108, 2.7585197
      , 3.1670273] which is class 1.0
584 Instance [2.0, 2.2923928, 3.1352628, 1.5092907] is
      class 2.0
585 Its nearest neighbor is [2.0, 2.2526731, 3.3471153
      , 1.4008753] which is class 2.0
586 Instance [2.0, 3.7474637, 5.4846625, 2.6141016] is
      class 2.0
587 Its nearest neighbor is [2.0, 3.7215867, 5.239015,
      2.4902661] which is class 2.0
588 Instance [2.0, 2.6197509, 3.6614642, 2.8705372] is
      class 2.0
589 Its nearest neighbor is [2.0, 2.6730585, 3.636309,
      2.8306988] which is class 2.0
590 Instance [2.0, 3.8977078, 3.0293277, 1.5624072] is
      class 2.0
591 Its nearest neighbor is [2.0, 4.1511748, 3.215232,
      1.3883776] which is class 2.0
592 Instance [2.0, 3.3675401, 1.8065992, 1.6684156] is
      class 2.0
593 Its nearest neighbor is [2.0, 3.2970636, 1.880733,
      1.4904753] which is class 2.0
594 Instance [2.0, 1.6193829, 2.1814107, 3.4741665] is
      class 2.0
595 Its nearest neighbor is [2.0, 1.601511, 2.0171979,
      3.498029] which is class 2.0
596 Instance [2.0, 4.1013903, 3.418682, 5.4994916] is
      class 2.0
597 Its nearest neighbor is [2.0, 4.0043976, 3.1315568
      , 5.4192025] which is class 2.0
598 Instance [2.0, 3.4397481, 3.2444666, 2.903753] is
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598 class 2.0
599 Its nearest neighbor is [2.0, 3.3194068, 3.1579893
, 2.8101127] which is class 2.0
600 Instance [2.0, 4.5398347, 3.4044449, 4.0189599] is
class 2.0
601 Its nearest neighbor is [2.0, 4.3666028, 3.2149136
, 3.8745111] which is class 2.0
602 Instance [1.0, 3.0529012, 4.1299538, 3.8612787] is
class 1.0
603 Its nearest neighbor is [1.0, 3.0378999, 3.9679256
, 3.6777094] which is class 1.0
604 Instance [1.0, 3.3423464, 1.7759572, 3.2269698] is
class 1.0
605 Its nearest neighbor is [1.0, 3.5938073, 1.8532607
, 3.2123768] which is class 1.0
606 Instance [2.0, 3.3596244, 2.4811803, 2.8384441] is
class 2.0
607 Its nearest neighbor is [2.0, 3.3303651, 2.5224293
, 2.7850402] which is class 2.0
608 Instance [2.0, 1.7544001, 4.3132639, 4.4594999] is
class 2.0
609 Its nearest neighbor is [2.0, 1.7021515, 4.6448675
, 4.489775] which is class 2.0
610 Instance [2.0, 4.5867575, 3.0065232, 2.5013525] is
class 2.0
611 Its nearest neighbor is [2.0, 4.6733638, 3.1721529
, 2.6951932] which is class 2.0
612 Instance [2.0, 1.655217, 3.7555079, 4.8213109] is
class 2.0
613 Its nearest neighbor is [2.0, 2.0106168, 3.7782693
, 4.4961959] which is class 2.0
614 Instance [1.0, 3.5251813, 2.2920484, 3.1881394] is
class 1.0
615 Its nearest neighbor is [1.0, 3.3103032, 2.2806305
, 3.2088614] which is class 1.0
616 Instance [2.0, 2.2648963, 1.404267, 2.8878652] is
class 2.0
617 Its nearest neighbor is [2.0, 2.3691536, 1.4173952
, 2.7942287] which is class 2.0
618 Instance [2.0, 1.3778858, 2.1908297, 0.83034544] is
class 2.0
```

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619 Its nearest neighbor is [2.0, 1.9461265, 2.5801217  
, 1.0545321] which is class 2.0  
620 Instance [2.0, 2.8442182, 1.4616686, 2.8312446] is  
class 2.0  
621 Its nearest neighbor is [2.0, 2.9589471, 1.2780576  
, 2.9184392] which is class 2.0  
622 Instance [1.0, 2.4649464, 2.0457637, 3.5673342] is  
class 1.0  
623 Its nearest neighbor is [1.0, 2.4764228, 2.2138812  
, 3.7288391] which is class 1.0  
624 Instance [2.0, 2.2098114, 2.9073114, 2.3143362] is  
class 2.0  
625 Its nearest neighbor is [2.0, 2.1956292, 2.8642301  
, 2.4374472] which is class 2.0  
626 Instance [2.0, 3.2815662, 2.384088, 4.0226413] is  
class 2.0  
627 Its nearest neighbor is [2.0, 3.3720734, 2.4394819  
, 4.1636202] which is class 2.0  
628 Instance [2.0, 3.2074323, 3.998107, 2.9415122] is  
class 2.0  
629 Its nearest neighbor is [2.0, 3.1921686, 3.8824993  
, 2.9775386] which is class 2.0  
630 Instance [2.0, 2.5735325, 1.7930311, 5.5029377] is  
class 2.0  
631 Its nearest neighbor is [2.0, 2.7221292, 2.0120539  
, 5.7336835] which is class 2.0  
632 Instance [2.0, 4.0045991, 3.883324, 3.3860958] is  
class 2.0  
633 Its nearest neighbor is [2.0, 4.0884131, 3.8508055  
, 3.3843051] which is class 2.0  
634 Instance [1.0, 2.7267724, 2.4467083, 3.550506] is  
class 1.0  
635 Its nearest neighbor is [1.0, 2.5692096, 2.5423048  
, 3.5218072] which is class 1.0  
636 Instance [2.0, 0.93128694, 3.3336619, 2.4635747] is  
class 2.0  
637 Its nearest neighbor is [2.0, 0.8177687, 3.2511947  
, 2.6690252] which is class 2.0  
638 Instance [2.0, 4.9022803, 4.2426883, 3.0576457] is  
class 2.0  
639 Its nearest neighbor is [2.0, 4.4835121, 4.0775638
```

```
639 , 3.3134303] which is class 2.0
640 Instance [1.0, 2.4879621, 3.3468621, 3.255952] is
    class 1.0
641 Its nearest neighbor is [1.0, 2.5129279, 3.1775119
    , 3.3211862] which is class 1.0
642 Instance [1.0, 2.9161388, 4.2206134, 3.0843233] is
    class 1.0
643 Its nearest neighbor is [1.0, 2.8246614, 4.3108011
    , 3.1169322] which is class 1.0
644 Instance [2.0, 1.2733366, 3.3240501, 3.555536] is
    class 2.0
645 Its nearest neighbor is [2.0, 1.3957223, 3.1545136
    , 3.326022] which is class 2.0
646 Instance [2.0, 4.354307, 4.4615592, 1.4545188] is
    class 2.0
647 Its nearest neighbor is [2.0, 4.0092078, 4.2145477
    , 1.4078586] which is class 2.0
648 Instance [2.0, 3.6001553, 2.4324279, 2.4562631] is
    class 2.0
649 Its nearest neighbor is [2.0, 3.7020697, 2.3472821
    , 2.5735761] which is class 2.0
650 Instance [2.0, 2.1884609, 2.0587713, 4.3754175] is
    class 2.0
651 Its nearest neighbor is [2.0, 2.3909904, 1.9190203
    , 4.3502116] which is class 2.0
652 Instance [2.0, 4.266436, 2.7753568, 2.1810345] is
    class 2.0
653 Its nearest neighbor is [2.0, 4.2081574, 2.8821825
    , 2.1601748] which is class 2.0
654 Instance [2.0, 2.9427967, 4.930797, 4.049223] is
    class 2.0
655 Its nearest neighbor is [2.0, 2.9997231, 5.1907786
    , 3.7219387] which is class 2.0
656 Instance [2.0, 3.6452791, 1.4293238, 2.8518155] is
    class 2.0
657 Its nearest neighbor is [2.0, 3.6131577, 1.5237546
    , 2.7589026] which is class 2.0
658 Instance [2.0, 2.0806597, 3.932339, 2.0961769] is
    class 2.0
659 Its nearest neighbor is [2.0, 1.891029, 3.9553042,
    1.8501182] which is class 2.0
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660 Instance [2.0, 4.6762533, 2.6734474, 3.2195811] is
  class 2.0
661 Its nearest neighbor is [2.0, 4.3515751, 2.7432573
  , 2.9829434] which is class 2.0
662 Instance [2.0, 1.842613, 2.7329961, 3.2429324] is
  class 2.0
663 Its nearest neighbor is [2.0, 1.8827843, 2.5860397
  , 3.2233773] which is class 2.0
664 Instance [2.0, 2.4930594, 2.9513912, 4.679057] is
  class 2.0
665 Its nearest neighbor is [2.0, 2.4339607, 2.7933568
  , 4.6109045] which is class 2.0
666 Instance [2.0, 2.9340066, 2.7924902, 2.8430721] is
  class 2.0
667 Its nearest neighbor is [2.0, 2.7901389, 2.6823328
  , 2.9269815] which is class 2.0
668 Instance [2.0, 3.9454827, 3.47392, 4.4055902] is
  class 2.0
669 Its nearest neighbor is [2.0, 4.0762348, 3.5102135
  , 4.4296151] which is class 2.0
670 Instance [2.0, 3.7870313, 3.1382871, 3.9466965] is
  class 2.0
671 Its nearest neighbor is [2.0, 3.7095679, 3.1557467
  , 4.0269461] which is class 2.0
672 Instance [2.0, 3.1363809, 2.9845794, 4.3484129] is
  class 2.0
673 Its nearest neighbor is [2.0, 3.3022897, 2.822095,
  4.3153373] which is class 2.0
674 Instance [2.0, 3.3821009, 3.5765046, 1.109851] is
  class 2.0
675 Its nearest neighbor is [2.0, 3.3697551, 3.6386461
  , 0.91722167] which is class 2.0
676 Instance [2.0, 6.1945076, 3.2005563, 2.7175135] is
  class 2.0
677 Its nearest neighbor is [2.0, 5.7701174, 3.7271743
  , 3.344582] which is class 2.0
678 Instance [1.0, 2.4617669, 2.7864608, 3.6270397] is
  class 1.0
679 Its nearest neighbor is [1.0, 2.3166661, 2.8284926
  , 3.6308419] which is class 1.0
680 Instance [2.0, 2.4364875, 2.5031357, 4.3751391] is
```

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680 class 2.0
681 Its nearest neighbor is [2.0, 2.4463076, 2.6147231
, 4.5059793] which is class 2.0
682 Instance [2.0, 4.0788913, 2.5618198, 2.6027729] is
class 2.0
683 Its nearest neighbor is [2.0, 3.8898928, 2.6136937
, 2.5783545] which is class 2.0
684 Instance [2.0, 3.8677106, 3.8825881, 2.5562063] is
class 2.0
685 Its nearest neighbor is [2.0, 3.9026163, 4.0249671
, 2.5526397] which is class 2.0
686 Instance [1.0, 3.2624897, 2.1142935, 3.3904305] is
class 1.0
687 Its nearest neighbor is [1.0, 3.1273113, 2.1562018
, 3.2003592] which is class 1.0
688 Instance [2.0, 2.7633226, 2.6815244, 1.5310196] is
class 2.0
689 Its nearest neighbor is [2.0, 2.7897685, 2.660458,
1.5730916] which is class 2.0
690 Instance [1.0, 2.2540436, 2.6701308, 3.5828627] is
class 1.0
691 Its nearest neighbor is [1.0, 2.3521711, 2.5705086
, 3.6419445] which is class 1.0
692 Instance [2.0, 4.055267, 3.6904957, 4.1429266] is
class 2.0
693 Its nearest neighbor is [2.0, 3.9382999, 3.8798945
, 3.9325197] which is class 2.0
694 Instance [2.0, 3.2277502, 2.0848533, 4.1424929] is
class 2.0
695 Its nearest neighbor is [2.0, 3.1024523, 1.8885749
, 4.1081553] which is class 2.0
696 Instance [2.0, 3.2528017, 1.7798931, 2.0380195] is
class 2.0
697 Its nearest neighbor is [2.0, 3.3349969, 1.8309482
, 2.0951641] which is class 2.0
698 Instance [2.0, 3.4723673, 3.6459099, 2.1097302] is
class 2.0
699 Its nearest neighbor is [2.0, 3.3810478, 3.5966978
, 2.1787] which is class 2.0
700 Instance [2.0, 1.7549586, 2.5547796, 2.2854634] is
class 2.0
```

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701 Its nearest neighbor is [2.0, 1.8461508, 2.5367137  
    , 2.4528531] which is class 2.0  
702 Instance [2.0, 3.9297435, 5.1438285, 2.7587439] is  
    class 2.0  
703 Its nearest neighbor is [2.0, 3.7215867, 5.239015,  
    2.4902661] which is class 2.0  
704 Instance [1.0, 3.6048451, 3.6124341, 3.1444052] is  
    class 1.0  
705 Its nearest neighbor is [1.0, 3.6731429, 3.6113498  
    , 3.2401964] which is class 1.0  
706 Instance [2.0, 5.1611597, 2.5512948, 4.6179586] is  
    class 2.0  
707 Its nearest neighbor is [2.0, 4.7378539, 2.4541073  
    , 4.7822063] which is class 2.0  
708 Instance [2.0, -0.041835093, 3.8210004, 2.4223698]  
    is class 2.0  
709 Its nearest neighbor is [2.0, 0.8177687, 3.2511947  
    , 2.6690252] which is class 2.0  
710 Instance [2.0, 1.1270191, 2.8773292, 2.5912911] is  
    class 2.0  
711 Its nearest neighbor is [2.0, 1.3528003, 2.9431836  
    , 2.2848441] which is class 2.0  
712 Instance [2.0, 2.4371056, 4.2509945, 2.6049081] is  
    class 2.0  
713 Its nearest neighbor is [2.0, 2.2908356, 4.1893166  
    , 2.5244653] which is class 2.0  
714 Instance [1.0, 3.49524, 3.0556716, 3.2684085] is  
    class 1.0  
715 Its nearest neighbor is [1.0, 3.4591684, 3.2645431  
    , 3.2537975] which is class 1.0  
716 Instance [1.0, 3.0333456, 3.3388916, 3.8360752] is  
    class 1.0  
717 Its nearest neighbor is [1.0, 3.0931853, 3.2362443  
    , 3.8321486] which is class 1.0  
718 Instance [2.0, 2.9974809, 3.1118216, 1.9262681] is  
    class 2.0  
719 Its nearest neighbor is [2.0, 2.9371635, 3.0233008  
    , 1.9070797] which is class 2.0  
720 Instance [1.0, 3.7145973, 2.8388179, 3.5644461] is  
    class 1.0  
721 Its nearest neighbor is [1.0, 3.6590615, 2.71687, 3
```

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721 .6137729] which is class 1.0
722 Instance [2.0, 1.3105041, 2.3241898, 3.8205605] is
    class 2.0
723 Its nearest neighbor is [2.0, 1.2081021, 2.4866697
    , 3.9485364] which is class 2.0
724 Instance [2.0, 2.4000107, 3.0313479, 2.7647343] is
    class 2.0
725 Its nearest neighbor is [2.0, 2.4223362, 3.0078162
    , 2.8787912] which is class 2.0
726 Instance [2.0, 2.3212665, 2.8242861, 4.8202034] is
    class 2.0
727 Its nearest neighbor is [2.0, 2.4339607, 2.7933568
    , 4.6109045] which is class 2.0
728 Instance [2.0, 3.9028749, 2.5101865, 2.6929475] is
    class 2.0
729 Its nearest neighbor is [2.0, 3.8898928, 2.6136937
    , 2.5783545] which is class 2.0
730 Instance [1.0, 2.7688449, 1.876372, 3.1469782] is
    class 1.0
731 Its nearest neighbor is [1.0, 2.8654668, 1.7069288
    , 3.10452] which is class 1.0
732 Instance [2.0, 3.1898036, 4.0463546, 4.4816516] is
    class 2.0
733 Its nearest neighbor is [2.0, 3.1214159, 3.9234235
    , 4.5092015] which is class 2.0
734 Instance [2.0, 3.9052009, 3.2527306, 2.5409835] is
    class 2.0
735 Its nearest neighbor is [2.0, 3.8940565, 3.2528298
    , 2.5391805] which is class 2.0
736 Instance [2.0, 3.5802392, 3.7121053, 3.8726961] is
    class 1.0
737 Its nearest neighbor is [1.0, 3.5153701, 3.7580808
    , 3.6846782] which is class 1.0
738 Instance [2.0, 2.0898041, 2.4288424, 2.166566] is
    class 2.0
739 Its nearest neighbor is [2.0, 2.0814917, 2.3175942
    , 2.1064178] which is class 2.0
740 Instance [2.0, 1.8994095, 1.5718662, 3.1076497] is
    class 2.0
741 Its nearest neighbor is [2.0, 1.9222106, 1.3743835
    , 3.2032292] which is class 2.0
```

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742 Instance [2.0, 1.8267612, -0.1509195, 1.0664353] is
    class 2.0
743 Its nearest neighbor is [2.0, 2.3890289, 0.61694632
    , 1.3383433] which is class 2.0
744 Instance [2.0, 2.8318575, 3.9116049, 0.90078727] is
    class 2.0
745 Its nearest neighbor is [2.0, 3.3697551, 3.6386461
    , 0.91722167] which is class 2.0
746 Instance [2.0, 3.827134, 3.2951892, 4.8624332] is
    class 2.0
747 Its nearest neighbor is [2.0, 3.8658266, 3.5200128
    , 4.8688866] which is class 2.0
748 Instance [2.0, 4.1338816, 3.7722486, 3.4917131] is
    class 2.0
749 Its nearest neighbor is [2.0, 4.0884131, 3.8508055
    , 3.3843051] which is class 2.0
750 Instance [2.0, 1.8581953, 4.0585934, 4.0832089] is
    class 2.0
751 Its nearest neighbor is [2.0, 2.0119444, 4.1579656
    , 3.9235668] which is class 2.0
752 Instance [1.0, 3.420544, 2.8525071, 3.8958584] is
    class 2.0
753 Its nearest neighbor is [2.0, 3.5397647, 2.8379818
    , 3.9117733] which is class 2.0
754 Instance [2.0, 2.1282385, 3.6753408, 2.673439] is
    class 2.0
755 Its nearest neighbor is [2.0, 2.1974845, 3.5612189
    , 2.7828592] which is class 2.0
756 Instance [2.0, 3.8999014, 3.8127556, 3.7896266] is
    class 2.0
757 Its nearest neighbor is [2.0, 3.9382999, 3.8798945
    , 3.9325197] which is class 2.0
758 Instance [2.0, 3.1620028, 1.5519123, 0.57752213] is
    class 2.0
759 Its nearest neighbor is [2.0, 3.0599685, 2.0881444
    , 1.2857948] which is class 2.0
760 Instance [2.0, 4.0123873, 2.6634998, 4.2342196] is
    class 2.0
761 Its nearest neighbor is [2.0, 4.0796377, 2.5307089
    , 4.2866819] which is class 2.0
762 Instance [2.0, 0.97607061, 4.2175186, 2.6460009] is
```

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762 class 2.0
763 Its nearest neighbor is [2.0, 1.3030006, 3.9676715
, 2.6191504] which is class 2.0
764 Instance [2.0, 4.1828597, 2.4485959, 3.4099834] is
class 2.0
765 Its nearest neighbor is [2.0, 4.1403108, 2.4960377
, 3.3902485] which is class 2.0
766 Instance [1.0, 2.6972647, 4.0532191, 3.9131632] is
class 1.0
767 Its nearest neighbor is [1.0, 2.6349711, 4.1909192
, 3.9018721] which is class 1.0
768 Instance [2.0, 4.3795553, 2.0365688, 3.1488899] is
class 2.0
769 Its nearest neighbor is [2.0, 4.3005521, 2.1872224
, 3.3379964] which is class 2.0
770 Instance [2.0, 3.2524318, 4.7353247, 2.5142675] is
class 2.0
771 Its nearest neighbor is [2.0, 3.2729898, 4.4693774
, 2.5463572] which is class 2.0
772 Instance [2.0, 4.3368958, 5.1925078, 2.4200877] is
class 2.0
773 Its nearest neighbor is [2.0, 4.1221388, 5.3338469
, 2.288542] which is class 2.0
774 Instance [2.0, 1.7987012, 2.4309128, 3.2950448] is
class 2.0
775 Its nearest neighbor is [2.0, 1.8827843, 2.5860397
, 3.2233773] which is class 2.0
776 Instance [1.0, 3.6590615, 2.71687, 3.6137729] is
class 1.0
777 Its nearest neighbor is [1.0, 3.7145973, 2.8388179
, 3.5644461] which is class 1.0
778 Instance [1.0, 3.327693, 4.3844505, 3.0033842] is
class 2.0
779 Its nearest neighbor is [2.0, 3.2443692, 4.325564,
2.8446161] which is class 2.0
780 Instance [2.0, 3.5375982, 3.0552965, 2.7183827] is
class 2.0
781 Its nearest neighbor is [2.0, 3.612481, 3.0047133,
2.7342386] which is class 2.0
782 Instance [2.0, 4.0043976, 3.1315568, 5.4192025] is
class 2.0
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783 Its nearest neighbor is [2.0, 4.1013903, 3.418682,  
5.4994916] which is class 2.0  
784 Instance [2.0, 3.4312526, 5.5982987, 3.0265702] is  
class 2.0  
785 Its nearest neighbor is [2.0, 3.7474637, 5.4846625  
, 2.6141016] which is class 2.0  
786 Instance [2.0, 2.965289, 3.817954, 1.9532346] is  
class 2.0  
787 Its nearest neighbor is [2.0, 3.0465228, 3.9505787  
, 2.2147077] which is class 2.0  
788 Instance [2.0, 3.3725842, 5.0336002, 4.541331] is  
class 2.0  
789 Its nearest neighbor is [2.0, 3.060502, 5.1391799,  
4.4233066] which is class 2.0  
790 Instance [2.0, 4.0796377, 2.5307089, 4.2866819] is  
class 2.0  
791 Its nearest neighbor is [2.0, 4.0123873, 2.6634998  
, 4.2342196] which is class 2.0  
792 Instance [1.0, 3.78254, 3.735729, 3.4831727] is  
class 1.0  
793 Its nearest neighbor is [1.0, 3.7597826, 3.7064637  
, 3.2532463] which is class 1.0  
794 Instance [2.0, 4.3104048, 3.9835286, 3.4581515] is  
class 2.0  
795 Its nearest neighbor is [2.0, 4.235628, 4.0477643,  
3.5599743] which is class 2.0  
796 Instance [2.0, 2.1309642, 2.5684721, 2.2894112] is  
class 2.0  
797 Its nearest neighbor is [2.0, 2.1987043, 2.6278162  
, 2.3492238] which is class 2.0  
798 Instance [2.0, 3.5457928, 1.8438766, 3.8711422] is  
class 2.0  
799 Its nearest neighbor is [2.0, 3.4947063, 1.7586331  
, 3.9309875] which is class 2.0  
800 Instance [2.0, 3.716101, 3.2144036, 4.1628999] is  
class 2.0  
801 Its nearest neighbor is [2.0, 3.7095679, 3.1557467  
, 4.0269461] which is class 2.0  
802 Instance [2.0, 2.3037125, 4.4078581, 2.5619846] is  
class 2.0  
803 Its nearest neighbor is [2.0, 2.3660291, 4.4785077
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803 , 2.4095116] which is class 2.0
804 Instance [2.0, 4.6453352, 1.7205415, 1.6363364] is
  class 2.0
805 Its nearest neighbor is [2.0, 4.6715645, 1.7994444
  , 1.6298769] which is class 2.0
806 Instance [2.0, 4.7378539, 2.4541073, 4.7822063] is
  class 2.0
807 Its nearest neighbor is [2.0, 4.5765211, 2.4553146
  , 4.4701194] which is class 2.0
808 Instance [2.0, 4.328816, 2.8673, 2.6758667] is class
  2.0
809 Its nearest neighbor is [2.0, 4.1612055, 3.0209326
  , 2.7654064] which is class 2.0
810 Instance [2.0, 3.6557769, 3.7413, 1.762576] is class
  2.0
811 Its nearest neighbor is [2.0, 3.6856646, 3.8703179
  , 2.1051764] which is class 2.0
812 Instance [1.0, 2.4454326, 2.8679523, 3.7987118] is
  class 1.0
813 Its nearest neighbor is [1.0, 2.4617669, 2.7864608
  , 3.6270397] which is class 1.0
814 Instance [2.0, 2.6836797, 2.4242285, 4.9641582] is
  class 2.0
815 Its nearest neighbor is [2.0, 2.773488, 2.4259969,
  4.9722505] which is class 2.0
816 Instance [2.0, 4.1818989, 3.3207371, 3.3371736] is
  class 2.0
817 Its nearest neighbor is [2.0, 4.2420078, 3.2157138
  , 3.3851983] which is class 2.0
818 Instance [2.0, 2.6074364, 5.125339, 2.876397] is
  class 2.0
819 Its nearest neighbor is [2.0, 2.6490106, 5.0282016
  , 2.9532595] which is class 2.0
820 Instance [2.0, 2.2194272, 3.3591473, 2.636892] is
  class 2.0
821 Its nearest neighbor is [2.0, 2.2466234, 3.3226947
  , 2.6997479] which is class 2.0
822 Instance [2.0, 1.5542817, 4.0090869, 2.2912814] is
  class 2.0
823 Its nearest neighbor is [2.0, 1.6090752, 4.0563966
  , 2.1412128] which is class 2.0
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824 Instance [2.0, 4.4030238, 0.88705161, 2.9065288] is
  class 2.0
825 Its nearest neighbor is [2.0, 4.3794332, 1.3530109
  , 3.2223717] which is class 2.0
826 Instance [2.0, 4.0582246, 2.6897402, 2.8233751] is
  class 2.0
827 Its nearest neighbor is [2.0, 3.9612975, 2.5671645
  , 2.9063876] which is class 2.0
828 Instance [2.0, 4.2732213, 0.80966456, 4.4173182] is
  class 2.0
829 Its nearest neighbor is [2.0, 4.2740398, 0.88061008
  , 4.2284245] which is class 2.0
830 Instance [2.0, 3.1420404, 4.9452728, 2.7502351] is
  class 2.0
831 Its nearest neighbor is [2.0, 3.1940291, 5.0344088
  , 2.9894806] which is class 2.0
832 Instance [1.0, 3.162089, 3.1336169, 3.4043205] is
  class 1.0
833 Its nearest neighbor is [1.0, 3.1194812, 3.2742979
  , 3.3135727] which is class 1.0
834 Instance [2.0, 3.7972733, 4.4092484, 3.6243961] is
  class 1.0
835 Its nearest neighbor is [1.0, 3.8239477, 4.4223167
  , 3.5157939] which is class 1.0
836 Instance [1.0, 3.1804168, 3.4620407, 3.5134807] is
  class 1.0
837 Its nearest neighbor is [1.0, 3.176353, 3.6178039,
  3.4276354] which is class 1.0
838 Instance [2.0, 2.5970211, 4.4450919, 4.1918998] is
  class 2.0
839 Its nearest neighbor is [2.0, 2.6886196, 4.2652741
  , 4.297779] which is class 2.0
840 Instance [2.0, 3.7964398, 1.8182284, 2.3786517] is
  class 2.0
841 Its nearest neighbor is [2.0, 3.7018746, 2.0883416
  , 2.315674] which is class 2.0
842 Instance [1.0, 3.0931853, 3.2362443, 3.8321486] is
  class 1.0
843 Its nearest neighbor is [1.0, 3.0333456, 3.3388916
  , 3.8360752] which is class 1.0
844 Instance [2.0, 1.3891709, 1.976067, 2.3693473] is
```

```
844 class 2.0
845 Its nearest neighbor is [2.0, 1.473786, 2.3752329,
   2.5120601] which is class 2.0
846 Instance [2.0, 1.9292367, 2.9431256, 2.4198397] is
   class 2.0
847 Its nearest neighbor is [2.0, 1.8916905, 2.8293466
   , 2.3519337] which is class 2.0
848 Instance [2.0, 2.1834259, 2.3345681, 2.6756852] is
   class 2.0
849 Its nearest neighbor is [2.0, 2.1942693, 2.3863806
   , 2.7057988] which is class 2.0
850 Instance [2.0, 3.9448299, 3.5804109, 3.7796473] is
   class 2.0
851 Its nearest neighbor is [2.0, 4.0849142, 3.4619399
   , 3.6415138] which is class 2.0
852 Instance [1.0, 3.2438926, 2.5093891, 3.0350687] is
   class 2.0
853 Its nearest neighbor is [2.0, 3.3596244, 2.4811803
   , 2.8384441] which is class 2.0
854 Instance [2.0, 2.4765925, 4.2413502, 1.8468395] is
   class 2.0
855 Its nearest neighbor is [2.0, 2.6724736, 4.0030007
   , 1.8660864] which is class 2.0
856 Instance [2.0, 2.4949843, 3.961552, 2.5019705] is
   class 2.0
857 Its nearest neighbor is [2.0, 2.5627963, 3.8619069
   , 2.6161418] which is class 2.0
858 Instance [2.0, 2.0387129, 5.5440941, 2.5988532] is
   class 2.0
859 Its nearest neighbor is [2.0, 2.5157713, 5.7078346
   , 2.7945129] which is class 2.0
860 Instance [2.0, 2.3147234, 2.6681647, 4.2458059] is
   class 2.0
861 Its nearest neighbor is [2.0, 2.4446608, 2.6141668
   , 4.1487146] which is class 2.0
862 Instance [2.0, 4.3160868, 1.4163598, 4.200461] is
   class 2.0
863 Its nearest neighbor is [2.0, 4.277394, 1.1904839,
   4.3978908] which is class 2.0
864 Instance [2.0, 4.5280174, 3.0505209, 5.3096483] is
   class 2.0
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```
865 Its nearest neighbor is [2.0, 4.2071855, 2.9035127  
, 4.9445532] which is class 2.0  
866 Instance [2.0, 4.9057362, 1.7776153, 1.859761] is  
class 2.0  
867 Its nearest neighbor is [2.0, 4.6715645, 1.7994444  
, 1.6298769] which is class 2.0  
868 Instance [2.0, 2.0240032, 2.7823267, 2.3555329] is  
class 2.0  
869 Its nearest neighbor is [2.0, 1.8916905, 2.8293466  
, 2.3519337] which is class 2.0  
870 Instance [2.0, 1.2326336, 2.945773, 3.6415827] is  
class 2.0  
871 Its nearest neighbor is [2.0, 1.1813564, 3.0764613  
, 3.8253905] which is class 2.0  
872 Instance [2.0, -0.34106131, 2.6763009, 3.2602754] is  
class 2.0  
873 Its nearest neighbor is [2.0, 0.46766542, 2.4806771  
, 2.4212334] which is class 2.0  
874 Instance [2.0, 1.1668049, 3.7039953, 2.2935256] is  
class 2.0  
875 Its nearest neighbor is [2.0, 1.1395379, 3.9525521  
, 2.1327051] which is class 2.0  
876 Instance [1.0, 2.6251409, 2.198455, 3.9186054] is  
class 2.0  
877 Its nearest neighbor is [2.0, 2.565019, 2.040141, 3  
.9120249] which is class 2.0  
878 Instance [2.0, 4.1506682, 4.8338337, 3.033151] is  
class 2.0  
879 Its nearest neighbor is [2.0, 4.0837752, 4.6669385  
, 3.3591629] which is class 2.0  
880 Instance [2.0, 3.5488768, 1.647086, 4.0994565] is  
class 2.0  
881 Its nearest neighbor is [2.0, 3.4947063, 1.7586331  
, 3.9309875] which is class 2.0  
882 Instance [2.0, 4.1005595, 3.5179394, 1.1326595] is  
class 2.0  
883 Its nearest neighbor is [2.0, 4.1444635, 3.577465,  
1.4950411] which is class 2.0  
884 Instance [2.0, 4.7221938, 2.5821328, 2.7455358] is  
class 2.0  
885 Its nearest neighbor is [2.0, 4.7510396, 2.3295158
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885 , 2.5746109] which is class 2.0
886 Instance [2.0, 4.2071855, 2.9035127, 4.9445532] is
  class 2.0
887 Its nearest neighbor is [2.0, 4.0818873, 3.2334925
  , 4.7431461] which is class 2.0
888 Instance [2.0, 1.785892, 1.8029146, 4.1819485] is
  class 2.0
889 Its nearest neighbor is [2.0, 1.6911848, 1.5900687
  , 4.2297503] which is class 2.0
890 Instance [2.0, 2.6724736, 4.0030007, 1.8660864] is
  class 2.0
891 Its nearest neighbor is [2.0, 2.649584, 3.9601557,
  1.7733721] which is class 2.0
892 Instance [2.0, 1.8601418, 3.2650599, 2.9403731] is
  class 2.0
893 Its nearest neighbor is [2.0, 1.9669852, 3.2150939
  , 3.0478633] which is class 2.0
894 Instance [1.0, 3.4374536, 2.6998778, 3.8447455] is
  class 1.0
895 Its nearest neighbor is [1.0, 3.420544, 2.8525071,
  3.8958584] which is class 1.0
896 Instance [2.0, 1.7015191, 0.72173421, 2.0275649] is
  class 2.0
897 Its nearest neighbor is [2.0, 2.0198356, 0.82101566
  , 2.3851535] which is class 2.0
898 Instance [1.0, 2.6620604, 3.7466488, 3.415586] is
  class 1.0
899 Its nearest neighbor is [1.0, 2.5220515, 3.6209606
  , 3.516623] which is class 1.0
900 Instance [2.0, 3.9919477, 3.663706, 3.3631398] is
  class 2.0
901 Its nearest neighbor is [2.0, 3.941439, 3.5258401,
  3.4696616] which is class 2.0
902 Instance [2.0, 3.0710925, 2.3320146, 2.4141025] is
  class 2.0
903 Its nearest neighbor is [2.0, 3.0017081, 2.4593358
  , 2.4731937] which is class 2.0
904 Instance [2.0, 2.8997934, 3.3515506, 2.6989055] is
  class 2.0
905 Its nearest neighbor is [2.0, 2.9922044, 3.2851545
  , 2.6004406] which is class 2.0
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906 Instance [2.0, 3.4334735, 5.086915, 3.3770782] is
  class 1.0
907 Its nearest neighbor is [1.0, 3.6306615, 4.7064209
  , 3.4922242] which is class 1.0
908 Instance [2.0, 3.375606, 1.4294334, 2.1900008] is
  class 2.0
909 Its nearest neighbor is [2.0, 3.3943948, 1.69686, 2
  .2468978] which is class 2.0
910 Instance [1.0, 2.7899533, 3.3009155, 3.2285738] is
  class 1.0
911 Its nearest neighbor is [1.0, 2.8612963, 3.264168,
  3.3871773] which is class 1.0
912 Instance [2.0, 4.3317145, 1.6807282, 3.2381602] is
  class 2.0
913 Its nearest neighbor is [2.0, 4.1448221, 1.7073639
  , 3.3036947] which is class 2.0
914 Instance [2.0, 2.9453213, 2.4653532, 4.0613221] is
  class 2.0
915 Its nearest neighbor is [2.0, 2.8684313, 2.3866194
  , 4.0178278] which is class 2.0
916 Instance [2.0, 2.1956292, 2.8642301, 2.4374472] is
  class 2.0
917 Its nearest neighbor is [2.0, 2.2653605, 2.8119879
  , 2.4820427] which is class 2.0
918 Instance [1.0, 3.1145936, 3.5647754, 3.200076] is
  class 1.0
919 Its nearest neighbor is [1.0, 3.0601134, 3.4774761
  , 3.0292705] which is class 1.0
920 Instance [2.0, 3.9299517, 2.4618427, 4.3178829] is
  class 2.0
921 Its nearest neighbor is [2.0, 4.0796377, 2.5307089
  , 4.2866819] which is class 2.0
922 Instance [2.0, 3.5565688, 4.210526, 4.2909654] is
  class 2.0
923 Its nearest neighbor is [2.0, 3.7857909, 4.4458369
  , 4.2856888] which is class 2.0
924 Instance [2.0, 4.5667017, 1.7939072, 3.3078717] is
  class 2.0
925 Its nearest neighbor is [2.0, 4.3317145, 1.6807282
  , 3.2381602] which is class 2.0
926 Instance [2.0, 2.2221808, 1.8883756, 2.9304492] is
```

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926 class 1.0
927 Its nearest neighbor is [1.0, 2.3674753, 2.0197722
, 3.0921141] which is class 1.0
928 Instance [2.0, 3.5497218, 2.9965091, 4.9102791] is
class 2.0
929 Its nearest neighbor is [2.0, 3.2236512, 3.0009555
, 4.6650635] which is class 2.0
930 Instance [2.0, 4.2476329, 2.0756839, 2.5305506] is
class 2.0
931 Its nearest neighbor is [2.0, 4.1124401, 2.2946485
, 2.6674021] which is class 2.0
932 Instance [2.0, 2.0814917, 2.3175942, 2.1064178] is
class 2.0
933 Its nearest neighbor is [2.0, 2.0898041, 2.4288424
, 2.166566] which is class 2.0
934 Instance [2.0, 2.686347, 3.7697756, 2.1628094] is
class 2.0
935 Its nearest neighbor is [2.0, 2.6618259, 3.6351241
, 2.2396802] which is class 2.0
936 Instance [1.0, 3.6457975, 2.3157376, 3.5316881] is
class 1.0
937 Its nearest neighbor is [1.0, 3.4589028, 2.2872637
, 3.6312661] which is class 1.0
938 Instance [2.0, 2.2800623, 0.76125854, 4.2409236] is
class 2.0
939 Its nearest neighbor is [2.0, 1.9787555, 0.76389373
, 3.981224] which is class 2.0
940 Instance [2.0, 1.4937809, 2.6800905, 2.4870124] is
class 2.0
941 Its nearest neighbor is [2.0, 1.473786, 2.3752329,
2.5120601] which is class 2.0
942 Instance [2.0, 3.4460646, 2.3545799, 1.8652719] is
class 2.0
943 Its nearest neighbor is [2.0, 3.5595684, 2.1168324
, 1.8977332] which is class 2.0
944 Instance [2.0, 5.1164036, 2.44274, 3.6339569] is
class 2.0
945 Its nearest neighbor is [2.0, 5.2915808, 2.4649764
, 3.9305201] which is class 2.0
946 Instance [1.0, 2.7503959, 1.6781676, 3.4819581] is
class 1.0
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947 Its nearest neighbor is [1.0, 2.8203317, 1.7455068  
    , 3.461141] which is class 1.0  
948 Instance [2.0, 2.475935, 3.7310283, 4.7006304] is  
    class 2.0  
949 Its nearest neighbor is [2.0, 2.4668694, 3.650992,  
    4.5540806] which is class 2.0  
950 Instance [1.0, 3.4591684, 3.2645431, 3.2537975] is  
    class 1.0  
951 Its nearest neighbor is [1.0, 3.2977756, 3.241469,  
    3.2512799] which is class 1.0  
952 Instance [2.0, 4.0818873, 3.2334925, 4.7431461] is  
    class 2.0  
953 Its nearest neighbor is [2.0, 3.827134, 3.2951892,  
    4.8624332] which is class 2.0  
954 Instance [1.0, 2.4914192, 2.1603044, 3.2358604] is  
    class 1.0  
955 Its nearest neighbor is [1.0, 2.4623152, 2.0649464  
    , 3.2815826] which is class 1.0  
956 Instance [2.0, 4.6143435, 4.2021791, 2.5772152] is  
    class 2.0  
957 Its nearest neighbor is [2.0, 4.7142507, 4.2844718  
    , 2.3032664] which is class 2.0  
958 Instance [2.0, 4.0679075, 2.146053, 3.0407091] is  
    class 1.0  
959 Its nearest neighbor is [1.0, 3.9633707, 2.2113703  
    , 3.1368227] which is class 1.0  
960 Instance [1.0, 2.6349711, 4.1909192, 3.9018721] is  
    class 1.0  
961 Its nearest neighbor is [1.0, 2.6972647, 4.0532191  
    , 3.9131632] which is class 1.0  
962 Instance [2.0, 4.0554434, 2.5668868, 4.562819] is  
    class 2.0  
963 Its nearest neighbor is [2.0, 4.0796377, 2.5307089  
    , 4.2866819] which is class 2.0  
964 Instance [2.0, 2.748538, 1.8975094, 1.508814] is  
    class 2.0  
965 Its nearest neighbor is [2.0, 2.9620593, 2.0079614  
    , 1.754411] which is class 2.0  
966 Instance [2.0, 3.7146065, 3.0021081, 2.3623181] is  
    class 2.0  
967 Its nearest neighbor is [2.0, 3.7981861, 3.0282794
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967 , 2.2747181] which is class 2.0
968 Instance [2.0, 3.0465228, 3.9505787, 2.2147077] is
    class 2.0
969 Its nearest neighbor is [2.0, 3.0244323, 4.0453993
    , 2.1503705] which is class 2.0
970 Instance [2.0, 3.324191, 2.9259673, 2.8040383] is
    class 2.0
971 Its nearest neighbor is [2.0, 3.3190529, 2.8133857
    , 2.7077425] which is class 2.0
972 Instance [2.0, 2.1158601, 3.9804199, 4.0730159] is
    class 2.0
973 Its nearest neighbor is [2.0, 2.0119444, 4.1579656
    , 3.9235668] which is class 2.0
974 Instance [1.0, 3.0488505, 4.7602665, 3.2581957] is
    class 1.0
975 Its nearest neighbor is [1.0, 2.9908063, 4.6306593
    , 3.4073006] which is class 1.0
976 Instance [1.0, 2.9771992, 1.1180986, 3.1963528] is
    class 1.0
977 Its nearest neighbor is [1.0, 2.8235161, 1.1313697
    , 3.1263412] which is class 1.0
978 Instance [1.0, 3.4099902, 4.0371514, 3.1149477] is
    class 1.0
979 Its nearest neighbor is [1.0, 3.504092, 4.2085682
    , 3.2876745] which is class 1.0
980 Instance [2.0, 3.1545372, 3.5553998, 2.1968546] is
    class 2.0
981 Its nearest neighbor is [2.0, 3.2492158, 3.5349073
    , 2.0524586] which is class 2.0
982 Instance [2.0, 2.9589471, 1.2780576, 2.9184392] is
    class 2.0
983 Its nearest neighbor is [2.0, 2.8442182, 1.4616686
    , 2.8312446] which is class 2.0
984 Instance [2.0, 4.6733638, 3.1721529, 2.6951932] is
    class 2.0
985 Its nearest neighbor is [2.0, 4.5867575, 3.0065232
    , 2.5013525] which is class 2.0
986 Instance [2.0, 4.5268543, 2.6892659, 2.2994519] is
    class 2.0
987 Its nearest neighbor is [2.0, 4.266436, 2.7753568
    , 2.1810345] which is class 2.0
```

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988 Instance [1.0, 3.0357127, 2.9769066, 3.0535001] is
      class 1.0
989 Its nearest neighbor is [1.0, 2.9722399, 2.8766085
      , 3.0275085] which is class 1.0
990 Instance [2.0, 1.9959816, 2.0900971, 2.2548966] is
      class 2.0
991 Its nearest neighbor is [2.0, 2.0210743, 2.2364147
      , 2.2750971] which is class 2.0
992 Instance [2.0, 1.1813564, 3.0764613, 3.8253905] is
      class 2.0
993 Its nearest neighbor is [2.0, 1.1547651, 3.0251675
      , 3.9507798] which is class 2.0
994 Instance [2.0, 1.8916905, 2.8293466, 2.3519337] is
      class 2.0
995 Its nearest neighbor is [2.0, 1.9292367, 2.9431256
      , 2.4198397] which is class 2.0
996 Instance [2.0, 3.7694983, 2.8308544, 0.22362898] is
      class 2.0
997 Its nearest neighbor is [2.0, 3.7024143, 3.1836819
      , 0.5828946] which is class 2.0
998 Instance [1.0, 3.6021585, 3.5369642, 3.5097493] is
      class 1.0
999 Its nearest neighbor is [1.0, 3.7232688, 3.3564908
      , 3.6124911] which is class 1.0
1000 Instance [1.0, 2.9908063, 4.6306593, 3.4073006] is
      class 1.0
1001 Its nearest neighbor is [1.0, 3.0488505, 4.7602665
      , 3.2581957] which is class 1.0
1002 Instance [2.0, 2.8819058, 1.9686162, 2.7895102] is
      class 2.0
1003 Its nearest neighbor is [2.0, 2.7569967, 1.9935839
      , 2.9621336] which is class 2.0
1004 Instance [2.0, 1.943685, 2.242554, 1.5370748] is
      class 2.0
1005 Its nearest neighbor is [2.0, 1.9048915, 2.2596231
      , 1.5267254] which is class 2.0
1006 Instance [2.0, 1.9481535, 2.8208276, 1.4503778] is
      class 2.0
1007 Its nearest neighbor is [2.0, 2.1804195, 2.9010233
      , 1.2829729] which is class 2.0
1008 Instance [2.0, 0.6257823, 2.1196028, 1.8928242] is
```

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1008 class 2.0
1009 Its nearest neighbor is [2.0, 0.93516823, 2.
    1942711, 2.0479545] which is class 2.0
1010 Instance [2.0, 2.8338684, 3.0132811, 4.387655] is
    class 2.0
1011 Its nearest neighbor is [2.0, 2.8863339, 3.0694679
    , 4.4666531] which is class 2.0
1012 Instance [2.0, 3.7857909, 4.4458369, 4.2856888] is
    class 2.0
1013 Its nearest neighbor is [2.0, 3.8504237, 4.4886206
    , 4.005] which is class 2.0
1014 Instance [1.0, 2.3674753, 2.0197722, 3.0921141] is
    class 1.0
1015 Its nearest neighbor is [1.0, 2.3828981, 2.0358723
    , 3.1259888] which is class 1.0
1016 Instance [1.0, 2.7784985, 2.5732859, 3.7216416] is
    class 1.0
1017 Its nearest neighbor is [1.0, 2.9187328, 2.507066
    , 3.7754634] which is class 1.0
1018 Instance [2.0, 3.891397, 3.1922891, 3.8726649] is
    class 2.0
1019 Its nearest neighbor is [2.0, 3.7870313, 3.1382871
    , 3.9466965] which is class 2.0
1020 Instance [2.0, 1.891029, 3.9553042, 1.8501182] is
    class 2.0
1021 Its nearest neighbor is [2.0, 2.0323155, 4.1221128
    , 1.853713] which is class 2.0
1022 Instance [2.0, 1.7179277, 2.599109, 4.0700091] is
    class 2.0
1023 Its nearest neighbor is [2.0, 1.6373757, 2.5947238
    , 4.0450457] which is class 2.0
1024 Instance [2.0, 1.9488438, 1.863232, 3.8489177] is
    class 2.0
1025 Its nearest neighbor is [2.0, 1.8776328, 1.5211286
    , 3.7935403] which is class 2.0
1026 Instance [2.0, 1.2668524, 5.5175628, 3.3999558] is
    class 2.0
1027 Its nearest neighbor is [2.0, 1.9532983, 5.5293922
    , 3.604186] which is class 2.0
1028 Instance [2.0, 3.0380568, 3.8546803, 2.4170972] is
    class 2.0
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1029 Its nearest neighbor is [2.0, 3.0089951, 3.8872133  
    , 2.5577286] which is class 2.0  
1030 Instance [2.0, 3.7020697, 2.3472821, 2.5735761] is  
    class 2.0  
1031 Its nearest neighbor is [2.0, 3.6001553, 2.4324279  
    , 2.4562631] which is class 2.0  
1032 Instance [2.0, 4.5303808, 3.4888153, 3.2542683] is  
    class 2.0  
1033 Its nearest neighbor is [2.0, 4.6093153, 3.4538613  
    , 3.2816473] which is class 2.0  
1034 Instance [2.0, 3.887594, 2.9165094, 2.4495996] is  
    class 2.0  
1035 Its nearest neighbor is [2.0, 3.8657169, 2.9261329  
    , 2.4391649] which is class 2.0  
1036 Instance [2.0, 2.3788307, 2.9237522, 2.8472058] is  
    class 2.0  
1037 Its nearest neighbor is [2.0, 2.4223362, 3.0078162  
    , 2.8787912] which is class 2.0  
1038 Instance [1.0, 3.8124641, 1.4957405, 3.0964145] is  
    class 2.0  
1039 Its nearest neighbor is [2.0, 3.6452791, 1.4293238  
    , 2.8518155] which is class 2.0  
1040 Instance [2.0, 1.8482675, 3.8146559, 2.5707365] is  
    class 2.0  
1041 Its nearest neighbor is [2.0, 2.0607868, 3.9030121  
    , 2.5374549] which is class 2.0  
1042 Instance [2.0, 3.0712388, 3.7596965, 4.4707444] is  
    class 2.0  
1043 Its nearest neighbor is [2.0, 3.1214159, 3.9234235  
    , 4.5092015] which is class 2.0  
1044 Instance [2.0, 3.7566244, 4.3316173, 1.6110735] is  
    class 2.0  
1045 Its nearest neighbor is [2.0, 3.5681901, 4.4333356  
    , 1.6722404] which is class 2.0  
1046 Instance [2.0, 3.5325673, 3.403347, 2.6838097] is  
    class 2.0  
1047 Its nearest neighbor is [2.0, 3.5905772, 3.61915,  
    2.730827] which is class 2.0  
1048 Instance [2.0, 2.7240127, 4.4670519, 4.8539006] is  
    class 2.0  
1049 Its nearest neighbor is [2.0, 2.9504574, 4.6066679
```

```
1049 , 4.6679241] which is class 2.0
1050 Instance [2.0, 1.8416546, 3.7835057, 3.4552546] is
    class 2.0
1051 Its nearest neighbor is [2.0, 1.6974238, 3.7592004
    , 3.3226586] which is class 2.0
1052 Instance [1.0, 3.6180436, 4.0597608, 3.4521165] is
    class 1.0
1053 Its nearest neighbor is [1.0, 3.504092, 4.2085682
    , 3.2876745] which is class 1.0
1054 Instance [1.0, 3.1076092, 2.8021566, 3.3554592] is
    class 1.0
1055 Its nearest neighbor is [1.0, 3.1568278, 2.7240172
    , 3.3261715] which is class 1.0
1056 Instance [2.0, 2.9504336, 2.926078, 2.5145963] is
    class 2.0
1057 Its nearest neighbor is [2.0, 2.9738754, 2.9842598
    , 2.3495854] which is class 2.0
1058 Instance [2.0, 2.554443, 2.8128706, 2.9496371] is
    class 2.0
1059 Its nearest neighbor is [2.0, 2.5375712, 2.6741931
    , 2.7934158] which is class 2.0
1060 Instance [2.0, 4.2740398, 0.88061008, 4.2284245] is
    class 2.0
1061 Its nearest neighbor is [2.0, 4.2732213, 0.
    80966456, 4.4173182] which is class 2.0
1062 Instance [1.0, 3.7232688, 3.3564908, 3.6124911] is
    class 1.0
1063 Its nearest neighbor is [1.0, 3.7919193, 3.3317492
    , 3.607932] which is class 1.0
1064 Instance [2.0, 1.7896941, 3.3503714, 3.9181257] is
    class 2.0
1065 Its nearest neighbor is [2.0, 1.944149, 3.3310487
    , 4.2773495] which is class 2.0
1066 Instance [1.0, 2.4500378, 2.6283859, 3.7344671] is
    class 1.0
1067 Its nearest neighbor is [1.0, 2.3521711, 2.5705086
    , 3.6419445] which is class 1.0
1068 Instance [2.0, 1.6422349, 2.2418614, 4.0221162] is
    class 2.0
1069 Its nearest neighbor is [2.0, 1.6373757, 2.5947238
    , 4.0450457] which is class 2.0
```

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1070 Instance [2.0, 2.0734646, 4.8924323, 2.4007395] is
      class 2.0
1071 Its nearest neighbor is [2.0, 1.7239029, 4.709954
      , 2.4736656] which is class 2.0
1072 Instance [2.0, 3.0741236, 1.5360161, 2.6187111] is
      class 2.0
1073 Its nearest neighbor is [2.0, 3.1460955, 1.5580483
      , 2.6263138] which is class 2.0
1074 Instance [2.0, 3.6807018, 4.5002021, 1.4251782] is
      class 2.0
1075 Its nearest neighbor is [2.0, 3.591994, 4.6446628
      , 1.5891449] which is class 2.0
1076 Instance [2.0, 2.7557222, 2.5685137, 1.5926468] is
      class 2.0
1077 Its nearest neighbor is [2.0, 2.7897685, 2.660458
      , 1.5730916] which is class 2.0
1078 Instance [2.0, 4.3515751, 2.7432573, 2.9829434] is
      class 2.0
1079 Its nearest neighbor is [2.0, 4.2434717, 2.8336787
      , 3.0914685] which is class 2.0
1080 Instance [2.0, 5.632756, 2.1974049, 4.1446409] is
      class 2.0
1081 Its nearest neighbor is [2.0, 5.2915808, 2.4649764
      , 3.9305201] which is class 2.0
1082 Instance [2.0, 2.0756541, 0.64759322, 3.5236978] is
      class 2.0
1083 Its nearest neighbor is [2.0, 2.1873295, 0.
      42016842, 3.3192331] which is class 2.0
1084 Instance [2.0, 4.2751043, 0.67237989, 3.6206116] is
      class 2.0
1085 Its nearest neighbor is [2.0, 4.4783758, 0.
      27800686, 3.8934329] which is class 2.0
1086 Instance [2.0, 2.2589271, 3.9385936, 4.4031853] is
      class 2.0
1087 Its nearest neighbor is [2.0, 2.0106168, 3.7782693
      , 4.4961959] which is class 2.0
1088 Instance [2.0, 3.0504341, 2.1916819, 2.9136213] is
      class 2.0
1089 Its nearest neighbor is [2.0, 3.1543123, 2.1888901
      , 2.9507422] which is class 2.0
1090 Instance [2.0, 3.3711744, 3.8814548, 2.8184944] is
```

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1090 class 2.0
1091 Its nearest neighbor is [2.0, 3.4484574, 3.9286995
    , 2.7955732] which is class 2.0
1092 Instance [2.0, 2.0064067, 2.2466936, 2.8274974] is
    class 2.0
1093 Its nearest neighbor is [2.0, 2.1374916, 2.287405
    , 2.9461405] which is class 2.0
1094 Instance [2.0, 2.802683, 2.8374449, 1.3375031] is
    class 2.0
1095 Its nearest neighbor is [2.0, 2.7633226, 2.6815244
    , 1.5310196] which is class 2.0
1096 Instance [2.0, 3.2492158, 3.5349073, 2.0524586] is
    class 2.0
1097 Its nearest neighbor is [2.0, 3.2709193, 3.5746701
    , 2.0618888] which is class 2.0
1098 Instance [1.0, 2.8612963, 3.264168, 3.3871773] is
    class 1.0
1099 Its nearest neighbor is [1.0, 2.7899533, 3.3009155
    , 3.2285738] which is class 1.0
1100 Instance [2.0, 4.0993528, 4.0504641, 1.86363] is
    class 2.0
1101 Its nearest neighbor is [2.0, 3.9187882, 4.0033445
    , 2.0866882] which is class 2.0
1102 Instance [2.0, 2.6858256, 2.694591, 2.6323208] is
    class 2.0
1103 Its nearest neighbor is [2.0, 2.7816597, 2.637586
    , 2.6969511] which is class 2.0
1104 Instance [2.0, 1.5011488, 3.2380438, 3.1803592] is
    class 2.0
1105 Its nearest neighbor is [2.0, 1.3957223, 3.1545136
    , 3.326022] which is class 2.0
1106 Instance [1.0, 3.3639177, 2.1536906, 3.7807592] is
    class 1.0
1107 Its nearest neighbor is [1.0, 3.4589028, 2.2872637
    , 3.6312661] which is class 1.0
1108 Instance [2.0, 3.2555342, 3.8515526, 4.2632788] is
    class 2.0
1109 Its nearest neighbor is [2.0, 3.338658, 3.6811129
    , 4.1454019] which is class 2.0
1110 Instance [2.0, 3.8504237, 4.4886206, 4.005] is
    class 2.0
```

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1111 Its nearest neighbor is [2.0, 3.7857909, 4.4458369  
    , 4.2856888] which is class 2.0  
1112 Instance [2.0, 3.7573098, 5.0911471, 1.6807753] is  
    class 2.0  
1113 Its nearest neighbor is [2.0, 3.591994, 4.6446628  
    , 1.5891449] which is class 2.0  
1114 Instance [2.0, 4.367211, 2.4702118, 2.647638] is  
    class 2.0  
1115 Its nearest neighbor is [2.0, 4.3809283, 2.609515  
    , 2.7503547] which is class 2.0  
1116 Instance [2.0, 4.5965097, 2.2615056, 2.634625] is  
    class 2.0  
1117 Its nearest neighbor is [2.0, 4.7510396, 2.3295158  
    , 2.5746109] which is class 2.0  
1118 Instance [2.0, 2.4339607, 2.7933568, 4.6109045] is  
    class 2.0  
1119 Its nearest neighbor is [2.0, 2.4930594, 2.9513912  
    , 4.679057] which is class 2.0  
1120 Instance [2.0, 2.8252228, 5.2514676, 3.1845425] is  
    class 2.0  
1121 Its nearest neighbor is [2.0, 2.6490106, 5.0282016  
    , 2.9532595] which is class 2.0  
1122 Instance [2.0, 3.8220767, 3.0094587, 1.9197584] is  
    class 2.0  
1123 Its nearest neighbor is [2.0, 3.6775584, 2.8763254  
    , 2.088464] which is class 2.0  
1124 Instance [2.0, 2.7512078, 4.8835988, 2.6914638] is  
    class 2.0  
1125 Its nearest neighbor is [2.0, 2.6755512, 4.7140101  
    , 2.6561541] which is class 2.0  
1126 Instance [2.0, 4.5287349, 2.9471404, 1.8932725] is  
    class 2.0  
1127 Its nearest neighbor is [2.0, 4.182166, 2.9120252  
    , 1.814675] which is class 2.0  
1128 Instance [2.0, 1.6974238, 3.7592004, 3.3226586] is  
    class 2.0  
1129 Its nearest neighbor is [2.0, 1.7080641, 3.6650143  
    , 3.2002574] which is class 2.0  
1130 Instance [2.0, 1.6478141, 2.9278558, 3.2010196] is  
    class 2.0  
1131 Its nearest neighbor is [2.0, 1.571394, 2.9967045
```

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1131 , 3.4036449] which is class 2.0
1132 Instance [2.0, 1.7021515, 4.6448675, 4.489775] is
    class 2.0
1133 Its nearest neighbor is [2.0, 1.7544001, 4.3132639
    , 4.4594999] which is class 2.0
1134 Instance [1.0, 2.3355798, 2.6729545, 3.3604902] is
    class 1.0
1135 Its nearest neighbor is [1.0, 2.4231108, 2.7585197
    , 3.1670273] which is class 1.0
1136 Instance [2.0, 0.82348625, 4.5107674, 4.9647666] is
    class 2.0
1137 Its nearest neighbor is [2.0, 0.95470677, 4.
    7060017, 4.4106406] which is class 2.0
1138 Instance [2.0, 3.6491784, 3.3763772, 2.375423] is
    class 2.0
1139 Its nearest neighbor is [2.0, 3.7374156, 3.4524335
    , 2.2818846] which is class 2.0
1140 Instance [2.0, 4.3287393, 2.9144354, 2.3960646] is
    class 2.0
1141 Its nearest neighbor is [2.0, 4.266436, 2.7753568
    , 2.1810345] which is class 2.0
1142 Instance [2.0, 2.6490106, 5.0282016, 2.9532595] is
    class 2.0
1143 Its nearest neighbor is [2.0, 2.6074364, 5.125339
    , 2.876397] which is class 2.0
1144 Instance [2.0, 3.7810063, 3.8424983, 2.9854406] is
    class 1.0
1145 Its nearest neighbor is [1.0, 3.7597826, 3.7064637
    , 3.2532463] which is class 1.0
1146 Instance [2.0, 1.2441005, 4.4643832, 3.6336646] is
    class 2.0
1147 Its nearest neighbor is [2.0, 0.96579028, 4.
    2826109, 3.5036454] which is class 2.0
1148 Instance [2.0, 3.3943948, 1.69686, 2.2468978] is
    class 2.0
1149 Its nearest neighbor is [2.0, 3.3349969, 1.8309482
    , 2.0951641] which is class 2.0
1150 Instance [2.0, 4.2081574, 2.8821825, 2.1601748] is
    class 2.0
1151 Its nearest neighbor is [2.0, 4.266436, 2.7753568
    , 2.1810345] which is class 2.0
```

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1152 Instance [2.0, 2.7438339, 3.086445, 1.9358613] is
    class 2.0
1153 Its nearest neighbor is [2.0, 2.7093628, 3.2078303
    , 1.8350696] which is class 2.0
1154 Instance [2.0, 2.5993223, 2.246818, 1.8954734] is
    class 2.0
1155 Its nearest neighbor is [2.0, 2.6570265, 2.1705234
    , 1.9769779] which is class 2.0
1156 Instance [2.0, 3.8291839, 2.9688315, 0.89161798] is
    class 2.0
1157 Its nearest neighbor is [2.0, 3.7024143, 3.1836819
    , 0.5828946] which is class 2.0
1158 Instance [1.0, 2.4764228, 2.2138812, 3.7288391] is
    class 1.0
1159 Its nearest neighbor is [1.0, 2.4649464, 2.0457637
    , 3.5673342] which is class 1.0
1160 Instance [2.0, 2.9504574, 4.6066679, 4.6679241] is
    class 2.0
1161 Its nearest neighbor is [2.0, 2.7240127, 4.4670519
    , 4.8539006] which is class 2.0
1162 Instance [1.0, 2.821462, 3.910565, 3.1615999] is
    class 1.0
1163 Its nearest neighbor is [1.0, 2.821918, 3.8876032
    , 3.3694366] which is class 1.0
1164 Instance [1.0, 3.1343273, 2.468279, 3.3200929] is
    class 1.0
1165 Its nearest neighbor is [1.0, 3.1568278, 2.7240172
    , 3.3261715] which is class 1.0
1166 Instance [1.0, 2.728186, 2.811694, 3.5766092] is
    class 1.0
1167 Its nearest neighbor is [1.0, 2.8076537, 2.9571078
    , 3.6380746] which is class 1.0
1168 Instance [2.0, 4.3794332, 1.3530109, 3.2223717] is
    class 2.0
1169 Its nearest neighbor is [2.0, 4.3317145, 1.6807282
    , 3.2381602] which is class 2.0
1170 Instance [2.0, 1.9787555, 0.76389373, 3.981224] is
    class 2.0
1171 Its nearest neighbor is [2.0, 2.2800623, 0.
    76125854, 4.2409236] which is class 2.0
1172 Instance [2.0, 3.1345241, 2.5885563, 1.2977188] is
```

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1172 class 2.0
1173 Its nearest neighbor is [2.0, 3.3944524, 2.5320077
    , 1.3802589] which is class 2.0
1174 Instance [1.0, 2.8203317, 1.7455068, 3.461141] is
    class 1.0
1175 Its nearest neighbor is [1.0, 2.7503959, 1.6781676
    , 3.4819581] which is class 1.0
1176 Instance [2.0, 1.1395379, 3.9525521, 2.1327051] is
    class 2.0
1177 Its nearest neighbor is [2.0, 1.1668049, 3.7039953
    , 2.2935256] which is class 2.0
1178 Instance [2.0, 1.963452, 4.7631242, 3.2279896] is
    class 1.0
1179 Its nearest neighbor is [1.0, 2.0348868, 4.7677371
    , 3.105054] which is class 1.0
1180 Instance [2.0, 3.2555677, 4.2339626, 2.5739515] is
    class 2.0
1181 Its nearest neighbor is [2.0, 3.3478894, 4.3208782
    , 2.6312031] which is class 2.0
1182 Instance [2.0, 3.3815982, 3.5239838, 2.0552195] is
    class 2.0
1183 Its nearest neighbor is [2.0, 3.2709193, 3.5746701
    , 2.0618888] which is class 2.0
1184 Instance [1.0, 2.5692096, 2.5423048, 3.5218072] is
    class 1.0
1185 Its nearest neighbor is [1.0, 2.7267724, 2.4467083
    , 3.550506] which is class 1.0
1186 Instance [2.0, 4.0438747, 4.7590836, 2.6696227] is
    class 2.0
1187 Its nearest neighbor is [2.0, 4.1506682, 4.8338337
    , 3.033151] which is class 2.0
1188 Instance [2.0, 3.8898928, 2.6136937, 2.5783545] is
    class 2.0
1189 Its nearest neighbor is [2.0, 3.9028749, 2.5101865
    , 2.6929475] which is class 2.0
1190 Instance [2.0, 3.2236512, 3.0009555, 4.6650635] is
    class 2.0
1191 Its nearest neighbor is [2.0, 3.1363809, 2.9845794
    , 4.3484129] which is class 2.0
1192 Instance [2.0, 4.5576914, 5.6562869, 4.510547] is
    class 2.0
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1193 Its nearest neighbor is [2.0, 4.0748352, 5.0359861  
    , 3.9923141] which is class 2.0  
1194 Instance [2.0, 4.1938254, 3.5425127, 2.8005765] is  
    class 2.0  
1195 Its nearest neighbor is [2.0, 4.1838159, 3.4817907  
    , 2.7970247] which is class 2.0  
1196 Instance [2.0, 3.1607133, 3.2384682, 5.7072942] is  
    class 2.0  
1197 Its nearest neighbor is [2.0, 3.6072138, 3.2841842  
    , 5.7387902] which is class 2.0  
1198 Instance [2.0, 2.2653605, 2.8119879, 2.4820427] is  
    class 2.0  
1199 Its nearest neighbor is [2.0, 2.1956292, 2.8642301  
    , 2.4374472] which is class 2.0  
1200 Instance [2.0, 2.7924267, 4.2195181, 1.9705672] is  
    class 2.0  
1201 Its nearest neighbor is [2.0, 2.6724736, 4.0030007  
    , 1.8660864] which is class 2.0  
1202 Instance [2.0, 1.6960811, 1.3462826, 3.8209325] is  
    class 2.0  
1203 Its nearest neighbor is [2.0, 1.6550361, 1.3348193  
    , 4.0247568] which is class 2.0  
1204 Instance [2.0, 2.9922044, 3.2851545, 2.6004406] is  
    class 2.0  
1205 Its nearest neighbor is [2.0, 2.8997934, 3.3515506  
    , 2.6989055] which is class 2.0  
1206 Instance [1.0, 3.7890563, 3.2377338, 3.0844073] is  
    class 1.0  
1207 Its nearest neighbor is [1.0, 3.7830605, 3.139594  
    , 3.1776702] which is class 1.0  
1208 Instance [2.0, 0.95470677, 4.7060017, 4.4106406] is  
    class 2.0  
1209 Its nearest neighbor is [2.0, 0.82348625, 4.  
    5107674, 4.9647666] which is class 2.0  
1210 Instance [2.0, 2.5375712, 2.6741931, 2.7934158] is  
    class 2.0  
1211 Its nearest neighbor is [2.0, 2.5503177, 2.5388672  
    , 2.7860219] which is class 2.0  
1212 Instance [2.0, 3.027371, 3.9031887, 2.6322112] is  
    class 2.0  
1213 Its nearest neighbor is [2.0, 3.0089951, 3.8872133
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1213 , 2.5577286] which is class 2.0
1214 Instance [1.0, 3.143818, 4.000795, 3.5864358] is
    class 1.0
1215 Its nearest neighbor is [1.0, 3.0378999, 3.9679256
    , 3.6777094] which is class 1.0
1216 Instance [1.0, 2.3649765, 1.3406932, 3.193591] is
    class 2.0
1217 Its nearest neighbor is [2.0, 2.2648963, 1.404267
    , 2.8878652] which is class 2.0
1218 Instance [2.0, 2.6418566, 3.2453999, 1.3757587] is
    class 2.0
1219 Its nearest neighbor is [2.0, 2.9455598, 3.4011598
    , 1.5400816] which is class 2.0
1220 Instance [2.0, 2.6809401, 2.1103798, 5.1078886] is
    class 2.0
1221 Its nearest neighbor is [2.0, 2.6836797, 2.4242285
    , 4.9641582] which is class 2.0
1222 Instance [2.0, 3.8252434, 3.4379155, 2.0473] is
    class 2.0
1223 Its nearest neighbor is [2.0, 3.8951293, 3.293277
    , 1.924359] which is class 2.0
1224 Instance [2.0, 1.3528003, 2.9431836, 2.2848441] is
    class 2.0
1225 Its nearest neighbor is [2.0, 1.4479696, 3.172115
    , 2.0857652] which is class 2.0
1226 Instance [1.0, 2.6984464, 4.3123803, 3.6260161] is
    class 1.0
1227 Its nearest neighbor is [1.0, 2.6349711, 4.1909192
    , 3.9018721] which is class 1.0
1228 Instance [2.0, 2.8863339, 3.0694679, 4.4666531] is
    class 2.0
1229 Its nearest neighbor is [2.0, 2.8338684, 3.0132811
    , 4.387655] which is class 2.0
1230 Instance [2.0, 1.5685413, 2.7182665, 3.5108029] is
    class 2.0
1231 Its nearest neighbor is [2.0, 1.571394, 2.9967045
    , 3.4036449] which is class 2.0
1232 Instance [2.0, 2.4953702, 1.9341179, 4.3256817] is
    class 2.0
1233 Its nearest neighbor is [2.0, 2.3909904, 1.9190203
    , 4.3502116] which is class 2.0
```

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1234 Instance [2.0, 2.3457807, 4.6744992, 1.1828778] is
      class 2.0
1235 Its nearest neighbor is [2.0, 2.6787826, 4.7776459
      , 1.2610195] which is class 2.0
1236 Instance [2.0, 3.2765227, 4.4932282, 1.8944174] is
      class 2.0
1237 Its nearest neighbor is [2.0, 3.3588043, 4.5739322
      , 1.7929255] which is class 2.0
1238 Instance [2.0, 2.8477849, 4.5003, 5.2173367] is
      class 2.0
1239 Its nearest neighbor is [2.0, 3.0758454, 4.7646936
      , 5.1410808] which is class 2.0
1240 Instance [2.0, 2.944394, 0.98746378, 2.3669803] is
      class 2.0
1241 Its nearest neighbor is [2.0, 3.2474427, 0.
      93460845, 2.385283] which is class 2.0
1242 Instance [1.0, 3.3237937, 3.4103758, 3.1025092] is
      class 1.0
1243 Its nearest neighbor is [1.0, 3.2160528, 3.313563
      , 3.1715475] which is class 1.0
1244 Instance [2.0, -1.2105501, 3.2084141, 1.9532633] is
      class 2.0
1245 Its nearest neighbor is [2.0, -0.041835093, 3.
      8210004, 2.4223698] which is class 2.0
1246 Instance [2.0, 5.2915808, 2.4649764, 3.9305201] is
      class 2.0
1247 Its nearest neighbor is [2.0, 5.1164036, 2.44274,
      3.6339569] which is class 2.0
1248 Instance [2.0, 4.6093153, 3.4538613, 3.2816473] is
      class 2.0
1249 Its nearest neighbor is [2.0, 4.5303808, 3.4888153
      , 3.2542683] which is class 2.0
1250 Instance [2.0, 2.0899127, 4.1684807, 3.4361535] is
      class 2.0
1251 Its nearest neighbor is [2.0, 1.8189339, 4.1544123
      , 3.265651] which is class 2.0
1252 Instance [2.0, 2.2778016, 3.1054482, 1.7765458] is
      class 2.0
1253 Its nearest neighbor is [2.0, 2.3987474, 2.9327143
      , 1.8746141] which is class 2.0
1254 Instance [1.0, 2.8292145, 3.3263967, 3.6121638] is
```

```
1254 class 1.0
1255 Its nearest neighbor is [1.0, 2.7053264, 3.2849199
    , 3.749203] which is class 1.0
1256 Instance [1.0, 3.3506788, 3.6436932, 3.7483053] is
    class 1.0
1257 Its nearest neighbor is [1.0, 3.5153701, 3.7580808
    , 3.6846782] which is class 1.0
1258 Instance [2.0, 1.712731, 1.0489361, 3.5736718] is
    class 2.0
1259 Its nearest neighbor is [2.0, 1.6140366, 1.090899
    , 3.7201809] which is class 2.0
1260 Instance [2.0, 2.8071498, 2.2559715, 2.0463175] is
    class 2.0
1261 Its nearest neighbor is [2.0, 2.6570265, 2.1705234
    , 1.9769779] which is class 2.0
1262 Instance [2.0, 2.267708, 3.6400932, 2.2682671] is
    class 2.0
1263 Its nearest neighbor is [2.0, 2.447783, 3.6642102
    , 2.3909356] which is class 2.0
1264 Instance [2.0, 2.5968451, 2.5209123, 2.8711192] is
    class 2.0
1265 Its nearest neighbor is [2.0, 2.6051731, 2.4832733
    , 2.9254471] which is class 2.0
1266 Instance [2.0, 3.333065, 2.2971825, 4.6293556] is
    class 2.0
1267 Its nearest neighbor is [2.0, 3.239013, 2.0218022
    , 4.5892233] which is class 2.0
1268 Instance [1.0, 2.6047428, 4.2343492, 3.0498308] is
    class 2.0
1269 Its nearest neighbor is [2.0, 2.7203555, 4.2695739
    , 2.9122758] which is class 2.0
1270 Instance [1.0, 2.5798437, 3.9707804, 3.145157] is
    class 1.0
1271 Its nearest neighbor is [1.0, 2.610053, 3.9182277
    , 3.0943951] which is class 1.0
1272 Instance [1.0, 2.3166661, 2.8284926, 3.6308419] is
    class 1.0
1273 Its nearest neighbor is [1.0, 2.4617669, 2.7864608
    , 3.6270397] which is class 1.0
1274 Instance [1.0, 2.5926736, 3.1296636, 3.1189903] is
    class 1.0
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1275 Its nearest neighbor is [1.0, 2.4625885, 3.2688972  
    , 3.0364837] which is class 1.0  
1276 Instance [2.0, 4.0463492, 3.2999596, 3.7773461] is  
    class 2.0  
1277 Its nearest neighbor is [2.0, 3.891397, 3.1922891  
    , 3.8726649] which is class 2.0  
1278 Instance [2.0, 3.4711966, 3.7358114, 4.5769984] is  
    class 2.0  
1279 Its nearest neighbor is [2.0, 3.6343349, 3.7874561  
    , 4.6418611] which is class 2.0  
1280 Instance [1.0, 3.5826341, 3.1156063, 3.6466327] is  
    class 1.0  
1281 Its nearest neighbor is [1.0, 3.4853913, 3.2444061  
    , 3.5553595] which is class 1.0  
1282 Instance [2.0, 2.1873295, 0.42016842, 3.3192331] is  
    class 2.0  
1283 Its nearest neighbor is [2.0, 2.0756541, 0.  
    64759322, 3.5236978] which is class 2.0  
1284 Instance [1.0, 2.463027, 4.3163344, 3.2873897] is  
    class 1.0  
1285 Its nearest neighbor is [1.0, 2.4510291, 4.3406698  
    , 3.2676348] which is class 1.0  
1286 Instance [2.0, 4.240205, 3.6692141, 4.7747186] is  
    class 2.0  
1287 Its nearest neighbor is [2.0, 4.0220191, 3.9292759  
    , 4.8913237] which is class 2.0  
1288 Instance [2.0, 2.2526731, 3.3471153, 1.4008753] is  
    class 2.0  
1289 Its nearest neighbor is [2.0, 2.2923928, 3.1352628  
    , 1.5092907] which is class 2.0  
1290 Instance [2.0, 4.5589868, 3.7194863, 1.4020797] is  
    class 2.0  
1291 Its nearest neighbor is [2.0, 4.1444635, 3.577465  
    , 1.4950411] which is class 2.0  
1292 Instance [2.0, 2.6730585, 3.636309, 2.8306988] is  
    class 2.0  
1293 Its nearest neighbor is [2.0, 2.6197509, 3.6614642  
    , 2.8705372] which is class 2.0  
1294 Instance [2.0, 2.448894, 2.9710575, 4.0970758] is  
    class 2.0  
1295 Its nearest neighbor is [2.0, 2.393905, 2.9492959
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1295 , 4.1216433] which is class 2.0
1296 Instance [2.0, 2.5841143, 2.1353011, 2.4108163] is
    class 2.0
1297 Its nearest neighbor is [2.0, 2.4010253, 2.2324041
    , 2.4501963] which is class 2.0
1298 Instance [1.0, 2.6639747, 3.6777212, 3.2033936] is
    class 1.0
1299 Its nearest neighbor is [1.0, 2.7974357, 3.6350674
    , 3.197759] which is class 1.0
1300 Instance [2.0, 4.3601632, 2.8274899, 3.4805724] is
    class 2.0
1301 Its nearest neighbor is [2.0, 4.183603, 2.9454236
    , 3.2369309] which is class 2.0
1302 Instance [2.0, 2.3792689, 3.7727839, 1.6323166] is
    class 2.0
1303 Its nearest neighbor is [2.0, 2.649584, 3.9601557
    , 1.7733721] which is class 2.0
1304 Instance [2.0, 0.93635331, 3.086368, 3.8165295] is
    class 2.0
1305 Its nearest neighbor is [2.0, 1.1813564, 3.0764613
    , 3.8253905] which is class 2.0
1306 Instance [2.0, 3.9030233, 1.4603852, 4.6406819] is
    class 2.0
1307 Its nearest neighbor is [2.0, 3.8581685, 1.4861806
    , 5.0108334] which is class 2.0
1308 Instance [2.0, 2.0119444, 4.1579656, 3.9235668] is
    class 2.0
1309 Its nearest neighbor is [2.0, 1.8581953, 4.0585934
    , 4.0832089] which is class 2.0
1310 Instance [2.0, 1.1536225, 4.5263733, 2.1031091] is
    class 2.0
1311 Its nearest neighbor is [2.0, 1.4378207, 4.6347553
    , 2.47868] which is class 2.0
1312 Instance [2.0, 3.8581685, 1.4861806, 5.0108334] is
    class 2.0
1313 Its nearest neighbor is [2.0, 3.9030233, 1.4603852
    , 4.6406819] which is class 2.0
1314 Instance [1.0, 3.0833979, 1.7703588, 3.8012703] is
    class 1.0
1315 Its nearest neighbor is [1.0, 2.9154377, 1.9491746
    , 3.8162551] which is class 1.0
```

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1316 Instance [2.0, 4.3911373, 2.6047013, 3.9517195] is
      class 2.0
1317 Its nearest neighbor is [2.0, 4.5868335, 2.6987885
      , 4.1617993] which is class 2.0
1318 Instance [1.0, 3.3103032, 2.2806305, 3.2088614] is
      class 1.0
1319 Its nearest neighbor is [1.0, 3.5251813, 2.2920484
      , 3.1881394] which is class 1.0
1320 Instance [2.0, 4.1448221, 1.7073639, 3.3036947] is
      class 2.0
1321 Its nearest neighbor is [2.0, 4.3317145, 1.6807282
      , 3.2381602] which is class 2.0
1322 Instance [2.0, 1.2749566, 0.12588278, 2.5239969] is
      class 2.0
1323 Its nearest neighbor is [2.0, 1.7015191, 0.
      72173421, 2.0275649] which is class 2.0
1324 Instance [1.0, 2.9993042, 2.1510365, 3.4417925] is
      class 1.0
1325 Its nearest neighbor is [1.0, 2.9475269, 2.1647408
      , 3.4541758] which is class 1.0
1326 Instance [2.0, 4.068193, 2.3086515, 3.4614871] is
      class 2.0
1327 Its nearest neighbor is [2.0, 4.1828597, 2.4485959
      , 3.4099834] which is class 2.0
1328 Instance [2.0, 3.1436744, 3.1577551, 2.3584173] is
      class 2.0
1329 Its nearest neighbor is [2.0, 3.068404, 3.2591566
      , 2.3047339] which is class 2.0
1330 Instance [2.0, 4.0838164, 2.9701666, 2.8290954] is
      class 2.0
1331 Its nearest neighbor is [2.0, 4.045473, 2.9677577
      , 2.8695676] which is class 2.0
1332 Instance [2.0, 2.0323155, 4.1221128, 1.853713] is
      class 2.0
1333 Its nearest neighbor is [2.0, 1.921279, 4.2325277
      , 1.701953] which is class 2.0
1334 Instance [2.0, 3.0369484, 5.0721036, 2.4089842] is
      class 2.0
1335 Its nearest neighbor is [2.0, 3.0988932, 5.2101297
      , 2.461483] which is class 2.0
1336 Instance [2.0, 3.338658, 3.6811129, 4.1454019] is
```

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1336 class 2.0
1337 Its nearest neighbor is [2.0, 3.2555342, 3.8515526
    , 4.2632788] which is class 2.0
1338 Instance [2.0, 2.7569967, 1.9935839, 2.9621336] is
    class 1.0
1339 Its nearest neighbor is [1.0, 2.7086939, 2.0945472
    , 3.1207336] which is class 1.0
1340 Instance [2.0, 2.7152868, 3.6983139, 2.6421467] is
    class 2.0
1341 Its nearest neighbor is [2.0, 2.5229755, 3.6868113
    , 2.6360571] which is class 2.0
1342 Instance [2.0, 3.9187882, 4.0033445, 2.0866882] is
    class 2.0
1343 Its nearest neighbor is [2.0, 3.6856646, 3.8703179
    , 2.1051764] which is class 2.0
1344 Instance [2.0, 4.5772001, 1.6637863, 0.59385895] is
    class 2.0
1345 Its nearest neighbor is [2.0, 4.7976974, 1.605725
    , 0.68603294] which is class 2.0
1346 Instance [2.0, 4.1511748, 3.215232, 1.3883776] is
    class 2.0
1347 Its nearest neighbor is [2.0, 4.2084543, 3.4927241
    , 1.5972394] which is class 2.0
1348 Instance [1.0, 2.106583, 3.8666634, 3.1688593] is
    class 2.0
1349 Its nearest neighbor is [2.0, 1.9458728, 3.8416872
    , 3.2371309] which is class 2.0
1350 Instance [2.0, 1.6812653, 3.3383437, 2.4194803] is
    class 2.0
1351 Its nearest neighbor is [2.0, 1.5738212, 3.4584807
    , 2.4685] which is class 2.0
1352 Instance [1.0, 3.1568278, 2.7240172, 3.3261715] is
    class 1.0
1353 Its nearest neighbor is [1.0, 3.1076092, 2.8021566
    , 3.3554592] which is class 1.0
1354 Instance [2.0, 4.305148, 3.7176989, 2.2240596] is
    class 2.0
1355 Its nearest neighbor is [2.0, 4.0343717, 3.6141864
    , 2.1355019] which is class 2.0
1356 Instance [1.0, 2.9143403, 2.6340418, 3.1856661] is
    class 1.0
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1357 Its nearest neighbor is [1.0, 3.0789054, 2.7250233  
    , 3.0520056] which is class 1.0  
1358 Instance [2.0, 1.9305635, 2.108541, 2.4609527] is  
    class 2.0  
1359 Its nearest neighbor is [2.0, 1.9959816, 2.0900971  
    , 2.2548966] which is class 2.0  
1360 Instance [2.0, 3.3419612, 3.7878965, 2.8284053] is  
    class 2.0  
1361 Its nearest neighbor is [2.0, 3.3711744, 3.8814548  
    , 2.8184944] which is class 2.0  
1362 Instance [1.0, 3.110978, 3.301079, 3.1988695] is  
    class 1.0  
1363 Its nearest neighbor is [1.0, 3.2160528, 3.313563  
    , 3.1715475] which is class 1.0  
1364 Instance [1.0, 2.7386773, 3.0996483, 3.8598914] is  
    class 1.0  
1365 Its nearest neighbor is [1.0, 2.7857339, 3.0919864  
    , 3.8984682] which is class 1.0  
1366 Instance [2.0, 4.7976974, 1.605725, 0.68603294] is  
    class 2.0  
1367 Its nearest neighbor is [2.0, 4.5772001, 1.6637863  
    , 0.59385895] which is class 2.0  
1368 Instance [2.0, 1.7547018, 3.0104635, 2.3750628] is  
    class 2.0  
1369 Its nearest neighbor is [2.0, 1.9292367, 2.9431256  
    , 2.4198397] which is class 2.0  
1370 Instance [2.0, 2.4880409, 3.1458668, 2.1382916] is  
    class 2.0  
1371 Its nearest neighbor is [2.0, 2.3309087, 3.0816505  
    , 2.2770093] which is class 2.0  
1372 Instance [1.0, 2.3188664, 2.9301086, 3.0272274] is  
    class 2.0  
1373 Its nearest neighbor is [2.0, 2.3788307, 2.9237522  
    , 2.8472058] which is class 2.0  
1374 Instance [2.0, 2.4050942, 0.80064533, 3.3369281] is  
    class 2.0  
1375 Its nearest neighbor is [2.0, 2.0756541, 0.  
    64759322, 3.5236978] which is class 2.0  
1376 Instance [2.0, 1.5622103, 3.5323518, 2.5506139] is  
    class 2.0  
1377 Its nearest neighbor is [2.0, 1.5738212, 3.4584807
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1377 , 2.4685] which is class 2.0
1378 Instance [1.0, 3.1194812, 3.2742979, 3.3135727] is
      class 1.0
1379 Its nearest neighbor is [1.0, 3.110978, 3.301079,
      3.1988695] which is class 1.0
1380 Instance [1.0, 3.8239477, 4.4223167, 3.5157939] is
      class 2.0
1381 Its nearest neighbor is [2.0, 3.7972733, 4.4092484
      , 3.6243961] which is class 2.0
1382 Instance [1.0, 2.9938226, 1.4349785, 3.8386236] is
      class 2.0
1383 Its nearest neighbor is [2.0, 2.9944014, 1.508401
      , 4.004653] which is class 2.0
1384 Instance [2.0, 1.9334672, 1.9638514, 1.5289646] is
      class 2.0
1385 Its nearest neighbor is [2.0, 1.943685, 2.242554,
      1.5370748] which is class 2.0
1386 Instance [1.0, 2.3521711, 2.5705086, 3.6419445] is
      class 1.0
1387 Its nearest neighbor is [1.0, 2.4500378, 2.6283859
      , 3.7344671] which is class 1.0
1388 Instance [2.0, 3.1541603, 3.9727615, 2.2582277] is
      class 2.0
1389 Its nearest neighbor is [2.0, 3.0465228, 3.9505787
      , 2.2147077] which is class 2.0
1390 Instance [2.0, 2.9738754, 2.9842598, 2.3495854] is
      class 2.0
1391 Its nearest neighbor is [2.0, 2.9504336, 2.926078
      , 2.5145963] which is class 2.0
1392 Instance [2.0, 1.9532983, 5.5293922, 3.604186] is
      class 2.0
1393 Its nearest neighbor is [2.0, 2.3288032, 5.2993784
      , 3.272893] which is class 2.0
1394 Instance [2.0, 1.8461508, 2.5367137, 2.4528531] is
      class 2.0
1395 Its nearest neighbor is [2.0, 1.9286645, 2.6033026
      , 2.4791166] which is class 2.0
1396 Instance [2.0, 1.571394, 2.9967045, 3.4036449] is
      class 2.0
1397 Its nearest neighbor is [2.0, 1.6478141, 2.9278558
      , 3.2010196] which is class 2.0
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1398 Instance [2.0, 3.7981861, 3.0282794, 2.2747181] is
      class 2.0
1399 Its nearest neighbor is [2.0, 3.7146065, 3.0021081
      , 2.3623181] which is class 2.0
1400 Instance [1.0, 2.7053264, 3.2849199, 3.749203] is
      class 1.0
1401 Its nearest neighbor is [1.0, 2.8292145, 3.3263967
      , 3.6121638] which is class 1.0
1402 Instance [1.0, 3.0950942, 1.3419041, 3.1442421] is
      class 1.0
1403 Its nearest neighbor is [1.0, 3.1185925, 1.2532651
      , 3.1935121] which is class 1.0
1404 Instance [2.0, 4.8133608, 3.8181227, 2.676496] is
      class 2.0
1405 Its nearest neighbor is [2.0, 4.7125413, 3.562318
      , 2.966557] which is class 2.0
1406 Instance [2.0, 3.1555201, 3.7008162, 2.4333308] is
      class 2.0
1407 Its nearest neighbor is [2.0, 3.0380568, 3.8546803
      , 2.4170972] which is class 2.0
1408 Instance [2.0, 4.4147573, 3.2006866, 3.1290647] is
      class 2.0
1409 Its nearest neighbor is [2.0, 4.6780207, 3.1582661
      , 3.2619161] which is class 2.0
1410 Instance [1.0, 3.6519567, 4.3031125, 3.0817059] is
      class 2.0
1411 Its nearest neighbor is [2.0, 3.6551999, 4.3202901
      , 2.8793365] which is class 2.0
1412 Instance [2.0, 3.1940291, 5.0344088, 2.9894806] is
      class 2.0
1413 Its nearest neighbor is [2.0, 3.0118618, 4.8971015
      , 2.9796893] which is class 2.0
1414 Instance [2.0, 1.7395109, 2.2884259, 2.9644939] is
      class 2.0
1415 Its nearest neighbor is [2.0, 1.5086222, 2.3551513
      , 2.9912854] which is class 2.0
1416 Instance [2.0, 4.5765211, 2.4553146, 4.4701194] is
      class 2.0
1417 Its nearest neighbor is [2.0, 4.4554708, 2.3427323
      , 4.5980923] which is class 2.0
1418 Instance [1.0, 2.8076537, 2.9571078, 3.6380746] is
```

```
1418 class 1.0
1419 Its nearest neighbor is [1.0, 2.728186, 2.811694,
    3.5766092] which is class 1.0
1420 Instance [2.0, 2.3283175, 0.90427588, 1.9032055] is
    class 2.0
1421 Its nearest neighbor is [2.0, 2.4529546, 1.1690713
    , 2.3887268] which is class 2.0
1422 Instance [2.0, 1.3184128, 2.4493114, 2.2962282] is
    class 2.0
1423 Its nearest neighbor is [2.0, 1.473786, 2.3752329
    , 2.5120601] which is class 2.0
1424 Instance [2.0, 3.4947063, 1.7586331, 3.9309875] is
    class 2.0
1425 Its nearest neighbor is [2.0, 3.5457928, 1.8438766
    , 3.8711422] which is class 2.0
1426 Instance [1.0, 2.7086939, 2.0945472, 3.1207336] is
    class 1.0
1427 Its nearest neighbor is [1.0, 2.723719, 2.2224405
    , 3.238289] which is class 1.0
1428 Instance [2.0, 2.7721474, 2.6787672, 4.085514] is
    class 1.0
1429 Its nearest neighbor is [1.0, 2.7453678, 2.7167635
    , 3.9311615] which is class 1.0
1430 Instance [2.0, 3.8658266, 3.5200128, 4.8688866] is
    class 2.0
1431 Its nearest neighbor is [2.0, 3.827134, 3.2951892
    , 4.8624332] which is class 2.0
1432 Instance [2.0, 2.3161485, 3.5269624, 3.9724485] is
    class 2.0
1433 Its nearest neighbor is [2.0, 2.1179637, 3.5267605
    , 4.1174429] which is class 2.0
1434 Instance [2.0, 3.0599685, 2.0881444, 1.2857948] is
    class 2.0
1435 Its nearest neighbor is [2.0, 3.2970636, 1.880733
    , 1.4904753] which is class 2.0
1436 Instance [2.0, 2.8150577, 2.8958816, 1.6498086] is
    class 2.0
1437 Its nearest neighbor is [2.0, 2.8068516, 2.9316856
    , 1.8916696] which is class 2.0
1438 Instance [2.0, 1.2460111, 3.3677238, 3.1945337] is
    class 2.0
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1439 Its nearest neighbor is [2.0, 1.1691263, 3.3656964  
    , 3.1705509] which is class 2.0  
1440 Instance [2.0, 1.1691263, 3.3656964, 3.1705509] is  
    class 2.0  
1441 Its nearest neighbor is [2.0, 1.2460111, 3.3677238  
    , 3.1945337] which is class 2.0  
1442 Instance [2.0, 4.3083463, 2.32054, 3.012097] is  
    class 2.0  
1443 Its nearest neighbor is [2.0, 4.0679075, 2.146053  
    , 3.0407091] which is class 2.0  
1444 Instance [2.0, 3.3190529, 2.8133857, 2.7077425] is  
    class 2.0  
1445 Its nearest neighbor is [2.0, 3.2513601, 2.7464197  
    , 2.6556553] which is class 2.0  
1446 Instance [2.0, 3.1526454, 3.3828263, 2.8958903] is  
    class 1.0  
1447 Its nearest neighbor is [1.0, 3.0601134, 3.4774761  
    , 3.0292705] which is class 1.0  
1448 Instance [2.0, 3.3944524, 2.5320077, 1.3802589] is  
    class 2.0  
1449 Its nearest neighbor is [2.0, 3.2720795, 2.6423858  
    , 1.5966731] which is class 2.0  
1450 Instance [2.0, 3.3103885, 3.0573428, 1.8496465] is  
    class 2.0  
1451 Its nearest neighbor is [2.0, 3.4185459, 3.0236094  
    , 1.8626397] which is class 2.0  
1452 Instance [2.0, 3.0011676, 3.1787582, 2.9872124] is  
    class 1.0  
1453 Its nearest neighbor is [1.0, 3.0295393, 3.121055  
    , 3.1789226] which is class 1.0  
1454 Instance [2.0, 2.3288032, 5.2993784, 3.272893] is  
    class 2.0  
1455 Its nearest neighbor is [2.0, 2.5494382, 4.9366029  
    , 3.512283] which is class 2.0  
1456 Instance [2.0, 1.068105, 3.9481875, 3.1892618] is  
    class 2.0  
1457 Its nearest neighbor is [2.0, 1.3278091, 4.135559  
    , 2.8854362] which is class 2.0  
1458 Instance [2.0, 3.4765489, 3.8171041, 5.1064588] is  
    class 2.0  
1459 Its nearest neighbor is [2.0, 3.7451409, 3.9635517
```

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1459 , 5.0730557] which is class 2.0
1460 Instance [2.0, 4.0615493, 4.5284525, 2.3357846] is
    class 2.0
1461 Its nearest neighbor is [2.0, 3.7096212, 4.5453488
    , 2.3454082] which is class 2.0
1462 Instance [2.0, 1.6090752, 4.0563966, 2.1412128] is
    class 2.0
1463 Its nearest neighbor is [2.0, 1.5542817, 4.0090869
    , 2.2912814] which is class 2.0
1464 Instance [2.0, 3.5810429, 2.266747, 2.3306682] is
    class 2.0
1465 Its nearest neighbor is [2.0, 3.4061993, 2.1877904
    , 2.3209204] which is class 2.0
1466 Instance [2.0, 4.2829011, 3.6274731, 2.7298842] is
    class 2.0
1467 Its nearest neighbor is [2.0, 4.1938254, 3.5425127
    , 2.8005765] which is class 2.0
1468 Instance [2.0, 3.8611813, 3.5370186, 2.6055141] is
    class 2.0
1469 Its nearest neighbor is [2.0, 3.9351921, 3.6371677
    , 2.5707913] which is class 2.0
1470 Instance [2.0, 2.5215002, 3.343549, 3.9400733] is
    class 1.0
1471 Its nearest neighbor is [1.0, 2.7053264, 3.2849199
    , 3.749203] which is class 1.0
1472 Instance [2.0, 2.6115378, 2.5040261, 2.4528228] is
    class 2.0
1473 Its nearest neighbor is [2.0, 2.5135162, 2.3943731
    , 2.3610709] which is class 2.0
1474 Instance [1.0, 2.4625885, 3.2688972, 3.0364837] is
    class 2.0
1475 Its nearest neighbor is [2.0, 2.4980025, 3.3899234
    , 2.8856402] which is class 2.0
1476 Instance [2.0, 4.7476016, 1.9196872, 3.4773943] is
    class 2.0
1477 Its nearest neighbor is [2.0, 4.5667017, 1.7939072
    , 3.3078717] which is class 2.0
1478 Instance [2.0, 3.563583, 1.9100662, 2.9344238] is
    class 1.0
1479 Its nearest neighbor is [1.0, 3.7331495, 1.9140333
    , 3.0579763] which is class 1.0
```

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1480 Instance [2.0, 4.1444635, 3.577465, 1.4950411] is
    class 2.0
1481 Its nearest neighbor is [2.0, 4.2084543, 3.4927241
    , 1.5972394] which is class 2.0
1482 Instance [2.0, 4.0884131, 3.8508055, 3.3843051] is
    class 2.0
1483 Its nearest neighbor is [2.0, 4.0045991, 3.883324
    , 3.3860958] which is class 2.0
1484 Instance [2.0, 1.9444063, 3.2895702, 3.4196915] is
    class 2.0
1485 Its nearest neighbor is [2.0, 2.010285, 3.2496431
    , 3.5375299] which is class 2.0
1486 Instance [2.0, 4.4654286, 4.2280102, 3.5033338] is
    class 2.0
1487 Its nearest neighbor is [2.0, 4.4835121, 4.0775638
    , 3.3134303] which is class 2.0
1488 Instance [2.0, 5.7701174, 3.7271743, 3.344582] is
    class 2.0
1489 Its nearest neighbor is [2.0, 6.1945076, 3.2005563
    , 2.7175135] which is class 2.0
1490 Instance [2.0, 2.0943444, 4.0179496, 2.8517251] is
    class 2.0
1491 Its nearest neighbor is [2.0, 2.2503589, 3.8994503
    , 2.7919606] which is class 2.0
1492 Instance [2.0, 1.6140366, 1.090899, 3.7201809] is
    class 2.0
1493 Its nearest neighbor is [2.0, 1.712731, 1.0489361
    , 3.5736718] which is class 2.0
1494 Instance [2.0, 3.3594251, 2.4052433, 4.9128636] is
    class 2.0
1495 Its nearest neighbor is [2.0, 3.333065, 2.2971825
    , 4.6293556] which is class 2.0
1496 Instance [2.0, 1.3957223, 3.1545136, 3.326022] is
    class 2.0
1497 Its nearest neighbor is [2.0, 1.5011488, 3.2380438
    , 3.1803592] which is class 2.0
1498 Instance [2.0, 3.7167235, 3.8085183, 4.6030292] is
    class 2.0
1499 Its nearest neighbor is [2.0, 3.6343349, 3.7874561
    , 4.6418611] which is class 2.0
1500 Instance [2.0, 3.3022897, 2.822095, 4.3153373] is
```

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1500 class 2.0
1501 Its nearest neighbor is [2.0, 3.1363809, 2.9845794
    , 4.3484129] which is class 2.0
1502 Instance [2.0, 1.7875823, 1.2365053, 1.7706465] is
    class 2.0
1503 Its nearest neighbor is [2.0, 1.6088885, 1.3319353
    , 1.6302116] which is class 2.0
1504 Instance [1.0, 3.4553967, 3.3412119, 3.5334003] is
    class 1.0
1505 Its nearest neighbor is [1.0, 3.4853913, 3.2444061
    , 3.5553595] which is class 1.0
1506 Instance [2.0, 3.395826, 3.3549308, 2.5032741] is
    class 2.0
1507 Its nearest neighbor is [2.0, 3.3273796, 3.4749594
    , 2.4810383] which is class 2.0
1508 Instance [1.0, 2.9154377, 1.9491746, 3.8162551] is
    class 1.0
1509 Its nearest neighbor is [1.0, 3.0833979, 1.7703588
    , 3.8012703] which is class 1.0
1510 Instance [1.0, 2.3027026, 3.0792292, 3.2814088] is
    class 1.0
1511 Its nearest neighbor is [1.0, 2.5129279, 3.1775119
    , 3.3211862] which is class 1.0
1512 Instance [2.0, 3.9828983, 3.4737776, 1.8189113] is
    class 2.0
1513 Its nearest neighbor is [2.0, 3.8951293, 3.293277
    , 1.924359] which is class 2.0
1514 Instance [2.0, 3.2474427, 0.93460845, 2.385283] is
    class 2.0
1515 Its nearest neighbor is [2.0, 2.944394, 0.98746378
    , 2.3669803] which is class 2.0
1516 Instance [2.0, 2.3712584, 3.9773708, 4.0823098] is
    class 2.0
1517 Its nearest neighbor is [2.0, 2.1158601, 3.9804199
    , 4.0730159] which is class 2.0
1518 Instance [2.0, 3.8371485, 2.8568364, 2.5301436] is
    class 2.0
1519 Its nearest neighbor is [2.0, 3.887594, 2.9165094
    , 2.4495996] which is class 2.0
1520 Instance [2.0, 4.183603, 2.9454236, 3.2369309] is
    class 2.0
```

1521 Its nearest neighbor is [2.0, 4.0316418, 2.8883222
, 3.3023638] which is class 2.0

1522 Instance [2.0, 2.9944014, 1.508401, 4.004653] is
class 1.0

1523 Its nearest neighbor is [1.0, 2.9938226, 1.4349785
, 3.8386236] which is class 1.0

1524 Instance [2.0, 3.8020044, 2.3544752, 1.7536169] is
class 2.0

1525 Its nearest neighbor is [2.0, 3.902898, 2.3615507
, 1.5541803] which is class 2.0

1526 Instance [2.0, 3.7451409, 3.9635517, 5.0730557] is
class 2.0

1527 Its nearest neighbor is [2.0, 3.4765489, 3.8171041
, 5.1064588] which is class 2.0

1528 Instance [2.0, 3.068404, 3.2591566, 2.3047339] is
class 2.0

1529 Its nearest neighbor is [2.0, 3.0501878, 3.187637
, 2.2388077] which is class 2.0

1530 Instance [1.0, 2.6915691, 3.8284745, 3.878108] is
class 1.0

1531 Its nearest neighbor is [1.0, 2.6980632, 3.6936662
, 3.8694432] which is class 1.0

1532 Instance [2.0, 3.2635634, 2.9929576, 2.9425033] is
class 2.0

1533 Its nearest neighbor is [2.0, 3.2787418, 3.0122224
, 2.9666418] which is class 2.0

1534 Instance [2.0, 2.1021148, 2.5413964, 3.454731] is
class 1.0

1535 Its nearest neighbor is [1.0, 2.2049745, 2.4317289
, 3.3456329] which is class 1.0

1536 Instance [2.0, 4.7632119, 2.0270127, 4.0803428] is
class 2.0

1537 Its nearest neighbor is [2.0, 5.0058327, 2.0424934
, 4.0586713] which is class 2.0

1538 Instance [2.0, 2.4122869, 3.1450111, 2.6459621] is
class 2.0

1539 Its nearest neighbor is [2.0, 2.4000107, 3.0313479
, 2.7647343] which is class 2.0

1540 Instance [1.0, 2.7453678, 2.7167635, 3.9311615] is
class 2.0

1541 Its nearest neighbor is [2.0, 2.7721474, 2.6787672

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1541 , 4.085514] which is class 2.0
1542 Instance [2.0, 1.3213862, 3.4220779, -0.56113654]
    is class 2.0
1543 Its nearest neighbor is [2.0, 1.2087564, 3.5239857
    , 1.0433002] which is class 2.0
1544 Instance [2.0, 4.0545641, 2.3739547, 4.0812619] is
    class 2.0
1545 Its nearest neighbor is [2.0, 3.923699, 2.2718858
    , 3.9158532] which is class 2.0
1546 Instance [2.0, 3.4493508, 3.4411092, 1.269545] is
    class 2.0
1547 Its nearest neighbor is [2.0, 3.3821009, 3.5765046
    , 1.109851] which is class 2.0
1548 Instance [2.0, 2.6576053, 1.9934624, 2.7053653] is
    class 2.0
1549 Its nearest neighbor is [2.0, 2.7898555, 1.9473153
    , 2.5124635] which is class 2.0
1550 Instance [1.0, 3.7840476, 2.6760831, 3.027112] is
    class 1.0
1551 Its nearest neighbor is [1.0, 3.6226811, 2.6011548
    , 3.184777] which is class 1.0
1552 Instance [2.0, 3.2552232, 3.7507378, 1.3699874] is
    class 2.0
1553 Its nearest neighbor is [2.0, 3.3821009, 3.5765046
    , 1.109851] which is class 2.0
1554 Instance [2.0, 1.934659, 3.5899696, 1.3805512] is
    class 2.0
1555 Its nearest neighbor is [2.0, 2.2526731, 3.3471153
    , 1.4008753] which is class 2.0
1556 Instance [2.0, 2.0655553, 3.5553327, 3.7065723] is
    class 2.0
1557 Its nearest neighbor is [2.0, 2.010285, 3.2496431
    , 3.5375299] which is class 2.0
1558 Instance [2.0, 3.2709193, 3.5746701, 2.0618888] is
    class 2.0
1559 Its nearest neighbor is [2.0, 3.2492158, 3.5349073
    , 2.0524586] which is class 2.0
1560 Instance [2.0, 2.2224641, 2.0734402, 1.727526] is
    class 2.0
1561 Its nearest neighbor is [2.0, 1.9334672, 1.9638514
    , 1.5289646] which is class 2.0
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1562 Instance [2.0, 3.2729898, 4.4693774, 2.5463572] is
    class 2.0
1563 Its nearest neighbor is [2.0, 3.3478894, 4.3208782
    , 2.6312031] which is class 2.0
1564 Instance [2.0, 2.696155, 4.0696728, 2.4250894] is
    class 2.0
1565 Its nearest neighbor is [2.0, 2.8096879, 4.0746146
    , 2.5829911] which is class 2.0
1566 Instance [2.0, 1.6056011, 3.4419406, 2.6564809] is
    class 2.0
1567 Its nearest neighbor is [2.0, 1.5622103, 3.5323518
    , 2.5506139] which is class 2.0
1568 Instance [2.0, 4.2580618, 4.2745238, 4.7532041] is
    class 2.0
1569 Its nearest neighbor is [2.0, 4.0220191, 3.9292759
    , 4.8913237] which is class 2.0
1570 Instance [2.0, 2.1436669, 1.6303962, 1.9559179] is
    class 2.0
1571 Its nearest neighbor is [2.0, 2.3424101, 1.7175791
    , 2.3339689] which is class 2.0
1572 Instance [2.0, 3.4139335, 1.6147022, 4.5118906] is
    class 2.0
1573 Its nearest neighbor is [2.0, 3.5488768, 1.647086
    , 4.0994565] which is class 2.0
1574 Instance [2.0, 2.8068516, 2.9316856, 1.8916696] is
    class 2.0
1575 Its nearest neighbor is [2.0, 2.9371635, 3.0233008
    , 1.9070797] which is class 2.0
1576 Instance [2.0, 4.7352453, 3.8976942, 3.8865625] is
    class 2.0
1577 Its nearest neighbor is [2.0, 4.398249, 3.9533192
    , 3.7747568] which is class 2.0
1578 Instance [2.0, 3.7018746, 2.0883416, 2.315674] is
    class 2.0
1579 Its nearest neighbor is [2.0, 3.5810429, 2.266747
    , 2.3306682] which is class 2.0
1580 Instance [2.0, 2.2109125, 3.693254, 2.4785544] is
    class 2.0
1581 Its nearest neighbor is [2.0, 2.2329163, 3.8432063
    , 2.4896436] which is class 2.0
1582 Instance [2.0, 2.5494382, 4.9366029, 3.512283] is
```

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1582 class 2.0
1583 Its nearest neighbor is [2.0, 2.3288032, 5.2993784
    , 3.272893] which is class 2.0
1584 Instance [2.0, 3.2294581, 2.0912591, 1.8879482] is
    class 2.0
1585 Its nearest neighbor is [2.0, 3.1331107, 1.9778728
    , 1.8851181] which is class 2.0
1586 Instance [2.0, 3.5397647, 2.8379818, 3.9117733] is
    class 1.0
1587 Its nearest neighbor is [1.0, 3.420544, 2.8525071
    , 3.8958584] which is class 1.0
1588 Instance [1.0, 2.7463725, 2.1654564, 3.7606506] is
    class 1.0
1589 Its nearest neighbor is [1.0, 2.6251409, 2.198455
    , 3.9186054] which is class 1.0
1590 Instance [2.0, 1.944149, 3.3310487, 4.2773495] is
    class 2.0
1591 Its nearest neighbor is [2.0, 2.1179637, 3.5267605
    , 4.1174429] which is class 2.0
1592 Instance [2.0, 3.6131577, 1.5237546, 2.7589026] is
    class 2.0
1593 Its nearest neighbor is [2.0, 3.6452791, 1.4293238
    , 2.8518155] which is class 2.0
1594 Instance [2.0, 4.9600179, 2.6280869, 1.8097554] is
    class 2.0
1595 Its nearest neighbor is [2.0, 4.8488498, 2.8760847
    , 2.2054568] which is class 2.0
1596 Instance [2.0, 2.2209083, 2.8843613, 5.5229476] is
    class 2.0
1597 Its nearest neighbor is [2.0, 2.457081, 3.1841279
    , 5.3273016] which is class 2.0
1598 Instance [2.0, 1.9458728, 3.8416872, 3.2371309] is
    class 1.0
1599 Its nearest neighbor is [1.0, 2.106583, 3.8666634
    , 3.1688593] which is class 1.0
1600 Instance [2.0, 3.8737446, 2.2994747, 2.0630818] is
    class 2.0
1601 Its nearest neighbor is [2.0, 3.8020044, 2.3544752
    , 1.7536169] which is class 2.0
1602 Instance [1.0, 3.0128539, 1.8753911, 3.3985082] is
    class 1.0
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1603 Its nearest neighbor is [1.0, 2.8203317, 1.7455068  
    , 3.461141] which is class 1.0  
1604 Instance [2.0, 3.2034031, 2.9064568, 1.3264937] is  
    class 2.0  
1605 Its nearest neighbor is [2.0, 3.1345241, 2.5885563  
    , 1.2977188] which is class 2.0  
1606 Instance [1.0, 3.3311234, 3.1809185, 3.7091993] is  
    class 1.0  
1607 Its nearest neighbor is [1.0, 3.4853913, 3.2444061  
    , 3.5553595] which is class 1.0  
1608 Instance [1.0, 3.4589028, 2.2872637, 3.6312661] is  
    class 1.0  
1609 Its nearest neighbor is [1.0, 3.6457975, 2.3157376  
    , 3.5316881] which is class 1.0  
1610 Instance [2.0, 2.6073163, 2.5812451, 0.33682545] is  
    class 2.0  
1611 Its nearest neighbor is [2.0, 2.6217249, 2.2675623  
    , 1.1480599] which is class 2.0  
1612 Instance [2.0, 2.773488, 2.4259969, 4.9722505] is  
    class 2.0  
1613 Its nearest neighbor is [2.0, 2.6836797, 2.4242285  
    , 4.9641582] which is class 2.0  
1614 Instance [2.0, 2.649584, 3.9601557, 1.7733721] is  
    class 2.0  
1615 Its nearest neighbor is [2.0, 2.6724736, 4.0030007  
    , 1.8660864] which is class 2.0  
1616 Instance [2.0, 4.2696331, 1.9410414, 1.6937946] is  
    class 2.0  
1617 Its nearest neighbor is [2.0, 4.402178, 2.1448455  
    , 1.9715476] which is class 2.0  
1618 Instance [1.0, 3.0214419, 2.8444434, 3.8211931] is  
    class 1.0  
1619 Its nearest neighbor is [1.0, 3.1652278, 2.8626472  
    , 3.7681609] which is class 1.0  
1620 Instance [2.0, 3.4185459, 3.0236094, 1.8626397] is  
    class 2.0  
1621 Its nearest neighbor is [2.0, 3.3103885, 3.0573428  
    , 1.8496465] which is class 2.0  
1622 Instance [2.0, 3.4989209, 2.4871445, 3.9850174] is  
    class 2.0  
1623 Its nearest neighbor is [2.0, 3.4958738, 2.5213487
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1623 , 4.1234302] which is class 2.0
1624 Instance [2.0, 4.2420078, 3.2157138, 3.3851983] is
    class 2.0
1625 Its nearest neighbor is [2.0, 4.1818989, 3.3207371
    , 3.3371736] which is class 2.0
1626 Instance [2.0, 1.8776328, 1.5211286, 3.7935403] is
    class 2.0
1627 Its nearest neighbor is [2.0, 1.6960811, 1.3462826
    , 3.8209325] which is class 2.0
1628 Instance [2.0, 3.7374156, 3.4524335, 2.2818846] is
    class 2.0
1629 Its nearest neighbor is [2.0, 3.6491784, 3.3763772
    , 2.375423] which is class 2.0
1630 Instance [1.0, 2.5543492, 1.8137199, 3.3600181] is
    class 1.0
1631 Its nearest neighbor is [1.0, 2.5245451, 1.9914399
    , 3.3317481] which is class 1.0
1632 Instance [2.0, 4.7510396, 2.3295158, 2.5746109] is
    class 2.0
1633 Its nearest neighbor is [2.0, 4.5965097, 2.2615056
    , 2.634625] which is class 2.0
1634 Instance [2.0, 2.6662551, 3.2912208, 2.1775489] is
    class 2.0
1635 Its nearest neighbor is [2.0, 2.7594231, 3.3365794
    , 2.2764925] which is class 2.0
1636 Instance [2.0, 4.5571094, 3.4551819, 2.277576] is
    class 2.0
1637 Its nearest neighbor is [2.0, 4.305148, 3.7176989
    , 2.2240596] which is class 2.0
1638 Instance [2.0, 2.4463076, 2.6147231, 4.5059793] is
    class 2.0
1639 Its nearest neighbor is [2.0, 2.4364875, 2.5031357
    , 4.3751391] which is class 2.0
1640 Instance [2.0, 3.1498296, 2.7941735, 2.7085023] is
    class 2.0
1641 Its nearest neighbor is [2.0, 3.2513601, 2.7464197
    , 2.6556553] which is class 2.0
1642 Instance [2.0, 3.0079795, 2.4108099, 1.6622073] is
    class 2.0
1643 Its nearest neighbor is [2.0, 2.7557222, 2.5685137
    , 1.5926468] which is class 2.0
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1644 Instance [2.0, 4.402178, 2.1448455, 1.9715476] is
    class 2.0
1645 Its nearest neighbor is [2.0, 4.2696331, 1.9410414
    , 1.6937946] which is class 2.0
1646 Instance [2.0, 2.0198356, 0.82101566, 2.3851535] is
    class 2.0
1647 Its nearest neighbor is [2.0, 1.7015191, 0.
    72173421, 2.0275649] which is class 2.0
1648 Instance [2.0, 3.9105476, 1.9694616, 3.4981121] is
    class 2.0
1649 Its nearest neighbor is [2.0, 3.9437666, 2.072793
    , 3.5079333] which is class 2.0
1650 Instance [2.0, 3.8940565, 3.2528298, 2.5391805] is
    class 2.0
1651 Its nearest neighbor is [2.0, 3.9052009, 3.2527306
    , 2.5409835] which is class 2.0
1652 Instance [2.0, 2.1987043, 2.6278162, 2.3492238] is
    class 2.0
1653 Its nearest neighbor is [2.0, 2.1309642, 2.5684721
    , 2.2894112] which is class 2.0
1654 Instance [2.0, 3.9382999, 3.8798945, 3.9325197] is
    class 2.0
1655 Its nearest neighbor is [2.0, 3.8999014, 3.8127556
    , 3.7896266] which is class 2.0
1656 Instance [2.0, 1.1310493, 3.2695553, 4.0089033] is
    class 2.0
1657 Its nearest neighbor is [2.0, 1.1547651, 3.0251675
    , 3.9507798] which is class 2.0
1658 Instance [1.0, 3.0190432, 3.3570084, 3.1523542] is
    class 1.0
1659 Its nearest neighbor is [1.0, 3.110978, 3.301079,
    3.1988695] which is class 1.0
1660 Instance [2.0, 2.7093628, 3.2078303, 1.8350696] is
    class 2.0
1661 Its nearest neighbor is [2.0, 2.7438339, 3.086445
    , 1.9358613] which is class 2.0
1662 Instance [2.0, 1.5738212, 3.4584807, 2.4685] is
    class 2.0
1663 Its nearest neighbor is [2.0, 1.5622103, 3.5323518
    , 2.5506139] which is class 2.0
1664 Instance [2.0, 3.065514, 2.3116743, 2.645521] is
```

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1664 class 2.0
1665 Its nearest neighbor is [2.0, 3.0710925, 2.3320146
, 2.4141025] which is class 2.0
1666 Instance [2.0, 1.2283642, 3.9302745, 1.7756335] is
class 2.0
1667 Its nearest neighbor is [2.0, 1.1395379, 3.9525521
, 2.1327051] which is class 2.0
1668 Instance [2.0, 2.7604251, 2.4866868, 2.28338] is
class 2.0
1669 Its nearest neighbor is [2.0, 2.54355, 2.5363479,
2.2793438] which is class 2.0
1670 Instance [2.0, 4.277394, 1.1904839, 4.3978908] is
class 2.0
1671 Its nearest neighbor is [2.0, 4.3160868, 1.4163598
, 4.200461] which is class 2.0
1672 Instance [2.0, 2.46444, 4.8137435, 4.7641898] is
class 2.0
1673 Its nearest neighbor is [2.0, 2.318805, 5.1554929
, 4.8446362] which is class 2.0
1674 Instance [2.0, 4.1612055, 3.0209326, 2.7654064] is
class 2.0
1675 Its nearest neighbor is [2.0, 4.0838164, 2.9701666
, 2.8290954] which is class 2.0
1676 Instance [2.0, 1.9461265, 2.5801217, 1.0545321] is
class 2.0
1677 Its nearest neighbor is [2.0, 2.1804195, 2.9010233
, 1.2829729] which is class 2.0
1678 Instance [2.0, 2.4759497, 1.8117531, 2.3287716] is
class 2.0
1679 Its nearest neighbor is [2.0, 2.3424101, 1.7175791
, 2.3339689] which is class 2.0
1680 Instance [2.0, 1.3278091, 4.135559, 2.8854362] is
class 2.0
1681 Its nearest neighbor is [2.0, 1.3030006, 3.9676715
, 2.6191504] which is class 2.0
1682 Instance [2.0, 4.6036164, 2.1499751, 1.235859] is
class 2.0
1683 Its nearest neighbor is [2.0, 4.3360147, 1.9862572
, 1.2166864] which is class 2.0
1684 Instance [2.0, 1.601511, 2.0171979, 3.498029] is
class 2.0
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1685 Its nearest neighbor is [2.0, 1.6193829, 2.1814107  
    , 3.4741665] which is class 2.0  
1686 Instance [1.0, 3.7604477, 2.4107585, 3.3663847] is  
    class 1.0  
1687 Its nearest neighbor is [1.0, 3.6384673, 2.5553687  
    , 3.2685137] which is class 1.0  
1688 Instance [2.0, 3.8821975, 1.6716512, 1.9930716] is  
    class 2.0  
1689 Its nearest neighbor is [2.0, 3.7964398, 1.8182284  
    , 2.3786517] which is class 2.0  
1690 Instance [2.0, 0.59457005, 3.7186981, 3.7227086] is  
    class 2.0  
1691 Its nearest neighbor is [2.0, 0.96579028, 4.  
    2826109, 3.5036454] which is class 2.0  
1692 Instance [2.0, 2.4223362, 3.0078162, 2.8787912] is  
    class 2.0  
1693 Its nearest neighbor is [2.0, 2.3788307, 2.9237522  
    , 2.8472058] which is class 2.0  
1694 Instance [1.0, 2.7808551, 3.2399493, 3.0052675] is  
    class 2.0  
1695 Its nearest neighbor is [2.0, 3.0011676, 3.1787582  
    , 2.9872124] which is class 2.0  
1696 Instance [2.0, 3.0101932, 4.2348297, 2.4441878] is  
    class 2.0  
1697 Its nearest neighbor is [2.0, 3.1643015, 4.3128575  
    , 2.3657444] which is class 2.0  
1698 Instance [1.0, 3.0378999, 3.9679256, 3.6777094] is  
    class 1.0  
1699 Its nearest neighbor is [1.0, 3.143818, 4.000795,  
    3.5864358] which is class 1.0  
1700 Instance [2.0, 2.5627963, 3.8619069, 2.6161418] is  
    class 2.0  
1701 Its nearest neighbor is [2.0, 2.4949843, 3.961552  
    , 2.5019705] which is class 2.0  
1702 Instance [1.0, 3.5153701, 3.7580808, 3.6846782] is  
    class 2.0  
1703 Its nearest neighbor is [2.0, 3.5802392, 3.7121053  
    , 3.8726961] which is class 2.0  
1704 Instance [2.0, 2.1975782, 3.3497867, 4.6527051] is  
    class 2.0  
1705 Its nearest neighbor is [2.0, 2.4668694, 3.650992
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1705 , 4.5540806] which is class 2.0
1706 Instance [2.0, 3.7849744, 2.406128, 2.8462709] is
    class 2.0
1707 Its nearest neighbor is [2.0, 3.8288418, 2.3551014
    , 2.7610114] which is class 2.0
1708 Instance [2.0, 3.6072138, 3.2841842, 5.7387902] is
    class 2.0
1709 Its nearest neighbor is [2.0, 3.1607133, 3.2384682
    , 5.7072942] which is class 2.0
1710 Instance [2.0, 3.591994, 4.6446628, 1.5891449] is
    class 2.0
1711 Its nearest neighbor is [2.0, 3.5681901, 4.4333356
    , 1.6722404] which is class 2.0
1712 Instance [2.0, 1.4163256, 3.5697285, 5.2783572] is
    class 2.0
1713 Its nearest neighbor is [2.0, 1.655217, 3.7555079
    , 4.8213109] which is class 2.0
1714 Instance [1.0, 3.8153484, 2.9023898, 3.2447346] is
    class 2.0
1715 Its nearest neighbor is [2.0, 3.979341, 2.8905909
    , 3.2338648] which is class 2.0
1716 Instance [1.0, 3.6548766, 3.2397841, 3.1843281] is
    class 1.0
1717 Its nearest neighbor is [1.0, 3.7830605, 3.139594
    , 3.1776702] which is class 1.0
1718 Instance [1.0, 2.610053, 3.9182277, 3.0943951] is
    class 1.0
1719 Its nearest neighbor is [1.0, 2.5798437, 3.9707804
    , 3.145157] which is class 1.0
1720 Instance [2.0, 1.1547651, 3.0251675, 3.9507798] is
    class 2.0
1721 Its nearest neighbor is [2.0, 1.1813564, 3.0764613
    , 3.8253905] which is class 2.0
1722 Instance [1.0, 3.0295393, 3.121055, 3.1789226] is
    class 1.0
1723 Its nearest neighbor is [1.0, 3.0357127, 2.9769066
    , 3.0535001] which is class 1.0
1724 Instance [2.0, 3.5711712, 2.6383085, 2.1920281] is
    class 2.0
1725 Its nearest neighbor is [2.0, 3.6775584, 2.8763254
    , 2.088464] which is class 2.0
```

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1726 Instance [2.0, 3.941439, 3.5258401, 3.4696616] is
      class 2.0
1727 Its nearest neighbor is [2.0, 3.9919477, 3.663706
      , 3.3631398] which is class 2.0
1728 Instance [2.0, 0.46766542, 2.4806771, 2.4212334] is
      class 2.0
1729 Its nearest neighbor is [2.0, 0.859016, 2.5203784
      , 2.3412721] which is class 2.0
1730 Instance [2.0, 2.0912056, 1.6858966, 3.4907016] is
      class 2.0
1731 Its nearest neighbor is [2.0, 1.8776328, 1.5211286
      , 3.7935403] which is class 2.0
1732 Instance [2.0, 3.6343349, 3.7874561, 4.6418611] is
      class 2.0
1733 Its nearest neighbor is [2.0, 3.7167235, 3.8085183
      , 4.6030292] which is class 2.0
1734 Instance [2.0, 2.3424101, 1.7175791, 2.3339689] is
      class 2.0
1735 Its nearest neighbor is [2.0, 2.4759497, 1.8117531
      , 2.3287716] which is class 2.0
1736 Instance [2.0, 3.4061993, 2.1877904, 2.3209204] is
      class 2.0
1737 Its nearest neighbor is [2.0, 3.5810429, 2.266747
      , 2.3306682] which is class 2.0
1738 Instance [2.0, 3.108565, 3.746164, 2.6666185] is
      class 2.0
1739 Its nearest neighbor is [2.0, 3.027371, 3.9031887
      , 2.6322112] which is class 2.0
1740 Instance [1.0, 3.5938073, 1.8532607, 3.2123768] is
      class 1.0
1741 Its nearest neighbor is [1.0, 3.7331495, 1.9140333
      , 3.0579763] which is class 1.0
1742 Instance [2.0, 1.8057103, 2.047466, 4.3043893] is
      class 2.0
1743 Its nearest neighbor is [2.0, 1.785892, 1.8029146
      , 4.1819485] which is class 2.0
1744 Instance [2.0, 3.3349969, 1.8309482, 2.0951641] is
      class 2.0
1745 Its nearest neighbor is [2.0, 3.2528017, 1.7798931
      , 2.0380195] which is class 2.0
1746 Instance [2.0, 2.0607868, 3.9030121, 2.5374549] is
```

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1746 class 2.0
1747 Its nearest neighbor is [2.0, 2.2329163, 3.8432063
    , 2.4896436] which is class 2.0
1748 Instance [2.0, 2.2198279, 4.0802461, 2.5110186] is
    class 2.0
1749 Its nearest neighbor is [2.0, 2.2908356, 4.1893166
    , 2.5244653] which is class 2.0
1750 Instance [2.0, 3.3720734, 2.4394819, 4.1636202] is
    class 2.0
1751 Its nearest neighbor is [2.0, 3.4958738, 2.5213487
    , 4.1234302] which is class 2.0
1752 Instance [2.0, 4.0748352, 5.0359861, 3.9923141] is
    class 2.0
1753 Its nearest neighbor is [2.0, 3.9130835, 5.2025272
    , 3.5046471] which is class 2.0
1754 Instance [2.0, 2.4771205, 3.319632, 1.9734668] is
    class 2.0
1755 Its nearest neighbor is [2.0, 2.4880409, 3.1458668
    , 2.1382916] which is class 2.0
1756 Instance [2.0, 3.1643015, 4.3128575, 2.3657444] is
    class 2.0
1757 Its nearest neighbor is [2.0, 3.0101932, 4.2348297
    , 2.4441878] which is class 2.0
1758 Instance [2.0, 4.1127126, 2.6745296, 3.0329577] is
    class 2.0
1759 Its nearest neighbor is [2.0, 4.2434717, 2.8336787
    , 3.0914685] which is class 2.0
1760 Instance [2.0, 2.7901389, 2.6823328, 2.9269815] is
    class 2.0
1761 Its nearest neighbor is [2.0, 2.9340066, 2.7924902
    , 2.8430721] which is class 2.0
1762 Instance [2.0, 3.486536, 3.192824, 2.3090197] is
    class 2.0
1763 Its nearest neighbor is [2.0, 3.6491784, 3.3763772
    , 2.375423] which is class 2.0
1764 Instance [2.0, 3.239013, 2.0218022, 4.5892233] is
    class 2.0
1765 Its nearest neighbor is [2.0, 3.333065, 2.2971825
    , 4.6293556] which is class 2.0
1766 Instance [2.0, 2.1179637, 3.5267605, 4.1174429] is
    class 2.0
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1767 Its nearest neighbor is [2.0, 2.3161485, 3.5269624  
    , 3.9724485] which is class 2.0  
1768 Instance [2.0, 3.8577878, 2.0815179, 1.6038584] is  
    class 2.0  
1769 Its nearest neighbor is [2.0, 3.902898, 2.3615507  
    , 1.5541803] which is class 2.0  
1770 Instance [2.0, 1.4378207, 4.6347553, 2.47868] is  
    class 2.0  
1771 Its nearest neighbor is [2.0, 1.7239029, 4.709954  
    , 2.4736656] which is class 2.0  
1772 Instance [1.0, 3.1652278, 2.8626472, 3.7681609] is  
    class 1.0  
1773 Its nearest neighbor is [1.0, 3.0214419, 2.8444434  
    , 3.8211931] which is class 1.0  
1774 Instance [1.0, 2.9722399, 2.8766085, 3.0275085] is  
    class 1.0  
1775 Its nearest neighbor is [1.0, 3.0357127, 2.9769066  
    , 3.0535001] which is class 1.0  
1776 Instance [2.0, 4.0220191, 3.9292759, 4.8913237] is  
    class 2.0  
1777 Its nearest neighbor is [2.0, 3.7451409, 3.9635517  
    , 5.0730557] which is class 2.0  
1778 Instance [2.0, 3.3810478, 3.5966978, 2.1787] is  
    class 2.0  
1779 Its nearest neighbor is [2.0, 3.4723673, 3.6459099  
    , 2.1097302] which is class 2.0  
1780 Instance [2.0, 2.6217249, 2.2675623, 1.1480599] is  
    class 2.0  
1781 Its nearest neighbor is [2.0, 3.0599685, 2.0881444  
    , 1.2857948] which is class 2.0  
1782 Instance [2.0, 1.473786, 2.3752329, 2.5120601] is  
    class 2.0  
1783 Its nearest neighbor is [2.0, 1.3184128, 2.4493114  
    , 2.2962282] which is class 2.0  
1784 Instance [2.0, 1.9182596, 3.1406186, 1.6682633] is  
    class 2.0  
1785 Its nearest neighbor is [2.0, 2.2778016, 3.1054482  
    , 1.7765458] which is class 2.0  
1786 Instance [2.0, 2.5901832, 3.5568899, 2.9231652] is  
    class 2.0  
1787 Its nearest neighbor is [2.0, 2.6197509, 3.6614642
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1787 , 2.8705372] which is class 2.0
1788 Instance [1.0, 3.1273113, 2.1562018, 3.2003592] is
      class 1.0
1789 Its nearest neighbor is [1.0, 2.9339012, 2.251167
      , 3.1590527] which is class 1.0
1790 Instance [2.0, 3.0115169, 1.8170878, 2.9845749] is
      class 1.0
1791 Its nearest neighbor is [1.0, 2.8654668, 1.7069288
      , 3.10452] which is class 1.0
1792 Instance [2.0, 2.7684724, 5.5263283, 0.83479792] is
      class 2.0
1793 Its nearest neighbor is [2.0, 3.1974956, 4.89742,
      0.95481979] which is class 2.0
1794 Instance [2.0, 3.5445992, 4.4038534, 2.4293832] is
      class 2.0
1795 Its nearest neighbor is [2.0, 3.7096212, 4.5453488
      , 2.3454082] which is class 2.0
1796 Instance [1.0, 3.3432018, 2.8560202, 3.1687493] is
      class 1.0
1797 Its nearest neighbor is [1.0, 3.2569905, 2.950064
      , 3.0974766] which is class 1.0
1798 Instance [2.0, 4.0837752, 4.6669385, 3.3591629] is
      class 2.0
1799 Its nearest neighbor is [2.0, 4.0742479, 4.4492845
      , 3.4203624] which is class 2.0
1800 Instance [1.0, 2.6264502, 4.7275744, 3.0186034] is
      class 1.0
1801 Its nearest neighbor is [1.0, 2.5511779, 4.9471766
      , 3.0034073] which is class 1.0
1802 Instance [2.0, 1.2087564, 3.5239857, 1.0433002] is
      class 2.0
1803 Its nearest neighbor is [2.0, 1.934659, 3.5899696
      , 1.3805512] which is class 2.0
1804 Instance [2.0, 0.85472204, 1.1291354, 2.655352] is
      class 2.0
1805 Its nearest neighbor is [2.0, 1.6508016, 1.1642233
      , 2.7262583] which is class 2.0
1806 Instance [2.0, 3.0970828, 2.5144542, 5.2039527] is
      class 2.0
1807 Its nearest neighbor is [2.0, 3.1234984, 2.7933893
      , 5.2078447] which is class 2.0
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1808 Instance [2.0, 3.0118618, 4.8971015, 2.9796893] is
      class 2.0
1809 Its nearest neighbor is [2.0, 3.1940291, 5.0344088
      , 2.9894806] which is class 2.0
1810 Instance [2.0, 4.0880351, 4.6873075, 5.2996763] is
      class 2.0
1811 Its nearest neighbor is [2.0, 4.2580618, 4.2745238
      , 4.7532041] which is class 2.0
1812 Instance [1.0, 3.4824009, 4.3318213, 3.4462263] is
      class 1.0
1813 Its nearest neighbor is [1.0, 3.504092, 4.2085682
      , 3.2876745] which is class 1.0
1814 Instance [1.0, 2.4179562, 3.9697438, 3.5495562] is
      class 1.0
1815 Its nearest neighbor is [1.0, 2.5404605, 4.0359432
      , 3.3093284] which is class 1.0
1816 Instance [2.0, 3.6775584, 2.8763254, 2.088464] is
      class 2.0
1817 Its nearest neighbor is [2.0, 3.8220767, 3.0094587
      , 1.9197584] which is class 2.0
1818 Instance [2.0, 2.1708491, 2.3886223, 2.7636116] is
      class 2.0
1819 Its nearest neighbor is [2.0, 2.1942693, 2.3863806
      , 2.7057988] which is class 2.0
1820 Instance [2.0, 4.0849142, 3.4619399, 3.6415138] is
      class 2.0
1821 Its nearest neighbor is [2.0, 4.0463492, 3.2999596
      , 3.7773461] which is class 2.0
1822 Instance [2.0, 2.6265028, 2.4384779, 1.9424952] is
      class 2.0
1823 Its nearest neighbor is [2.0, 2.5993223, 2.246818
      , 1.8954734] which is class 2.0
1824 Instance [2.0, 1.990679, 5.3610852, 4.6888041] is
      class 2.0
1825 Its nearest neighbor is [2.0, 2.318805, 5.1554929
      , 4.8446362] which is class 2.0
1826 Instance [2.0, 4.7142507, 4.2844718, 2.3032664] is
      class 2.0
1827 Its nearest neighbor is [2.0, 4.6143435, 4.2021791
      , 2.5772152] which is class 2.0
1828 Instance [2.0, 3.995656, 3.0280511, 3.3409767] is
```

```
1828 class 2.0
1829 Its nearest neighbor is [2.0, 3.9682213, 2.9963797
    , 3.4577178] which is class 2.0
1830 Instance [2.0, 4.5868335, 2.6987885, 4.1617993] is
    class 2.0
1831 Its nearest neighbor is [2.0, 4.7727517, 2.6221964
    , 4.0265686] which is class 2.0
1832 Instance [2.0, 2.6445695, 4.425146, 2.9898844] is
    class 2.0
1833 Its nearest neighbor is [2.0, 2.7203555, 4.2695739
    , 2.9122758] which is class 2.0
1834 Instance [1.0, 2.4748983, 3.0083277, 3.6188526] is
    class 1.0
1835 Its nearest neighbor is [1.0, 2.5658103, 2.9901762
    , 3.6181297] which is class 1.0
1836 Instance [2.0, 2.6787826, 4.7776459, 1.2610195] is
    class 2.0
1837 Its nearest neighbor is [2.0, 2.3457807, 4.6744992
    , 1.1828778] which is class 2.0
1838 Instance [2.0, 2.5160929, 4.8474134, 2.1703442] is
    class 2.0
1839 Its nearest neighbor is [2.0, 2.5938408, 4.6253684
    , 2.3225752] which is class 2.0
1840 Instance [2.0, 3.445148, 4.6539334, 2.1593925] is
    class 2.0
1841 Its nearest neighbor is [2.0, 3.1953357, 4.7800607
    , 2.0604439] which is class 2.0
1842 Instance [2.0, 3.8951293, 3.293277, 1.924359] is
    class 2.0
1843 Its nearest neighbor is [2.0, 3.8252434, 3.4379155
    , 2.0473] which is class 2.0
1844 Instance [2.0, 3.2106924, 0.75010176, 3.0808354] is
    class 2.0
1845 Its nearest neighbor is [2.0, 3.0589791, 0.
    90179933, 3.0360466] which is class 2.0
1846 Instance [1.0, 2.5511779, 4.9471766, 3.0034073] is
    class 2.0
1847 Its nearest neighbor is [2.0, 2.6490106, 5.0282016
    , 2.9532595] which is class 2.0
1848 Instance [1.0, 2.8984136, 3.4460763, 3.7505306] is
    class 1.0
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1849 Its nearest neighbor is [1.0, 3.0333456, 3.3388916  
    , 3.8360752] which is class 1.0  
1850 Instance [2.0, 3.2271055, 2.299643, 5.8437307] is  
    class 2.0  
1851 Its nearest neighbor is [2.0, 3.0971845, 2.4431431  
    , 5.8837721] which is class 2.0  
1852 Instance [2.0, 1.6508016, 1.1642233, 2.7262583] is  
    class 2.0  
1853 Its nearest neighbor is [2.0, 1.863734, 1.0644786  
    , 2.8489434] which is class 2.0  
1854 Instance [2.0, 4.4554708, 2.3427323, 4.5980923] is  
    class 2.0  
1855 Its nearest neighbor is [2.0, 4.5765211, 2.4553146  
    , 4.4701194] which is class 2.0  
1856 Instance [1.0, 3.9633707, 2.2113703, 3.1368227] is  
    class 2.0  
1857 Its nearest neighbor is [2.0, 4.0679075, 2.146053  
    , 3.0407091] which is class 2.0  
1858 Instance [2.0, 2.4529546, 1.1690713, 2.3887268] is  
    class 2.0  
1859 Its nearest neighbor is [2.0, 2.7892299, 1.2796873  
    , 2.5328793] which is class 2.0  
1860 Instance [2.0, 3.0286421, 3.1889869, 1.5237622] is  
    class 2.0  
1861 Its nearest neighbor is [2.0, 2.9455598, 3.4011598  
    , 1.5400816] which is class 2.0  
1862 Instance [1.0, 3.2569905, 2.950064, 3.0974766] is  
    class 1.0  
1863 Its nearest neighbor is [1.0, 3.3432018, 2.8560202  
    , 3.1687493] which is class 1.0  
1864 Instance [2.0, 3.7215867, 5.239015, 2.4902661] is  
    class 2.0  
1865 Its nearest neighbor is [2.0, 3.7474637, 5.4846625  
    , 2.6141016] which is class 2.0  
1866 Instance [2.0, 3.282809, 5.4617606, 2.2699582] is  
    class 2.0  
1867 Its nearest neighbor is [2.0, 3.0988932, 5.2101297  
    , 2.461483] which is class 2.0  
1868 Instance [2.0, 3.3018838, 4.0482251, 2.3132295] is  
    class 2.0  
1869 Its nearest neighbor is [2.0, 3.1541603, 3.9727615
```

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1869 , 2.2582277] which is class 2.0
1870 Instance [2.0, 3.1234984, 2.7933893, 5.2078447] is
    class 2.0
1871 Its nearest neighbor is [2.0, 3.0970828, 2.5144542
    , 5.2039527] which is class 2.0
1872 Instance [2.0, 3.3478894, 4.3208782, 2.6312031] is
    class 2.0
1873 Its nearest neighbor is [2.0, 3.3367405, 4.3185951
    , 2.723226] which is class 2.0
1874 Instance [2.0, 3.6081797, 3.3808214, 4.4166029] is
    class 2.0
1875 Its nearest neighbor is [2.0, 3.6413752, 3.1988295
    , 4.4427999] which is class 2.0
1876 Instance [2.0, 4.3337597, 3.4709469, 3.3788026] is
    class 2.0
1877 Its nearest neighbor is [2.0, 4.1818989, 3.3207371
    , 3.3371736] which is class 2.0
1878 Instance [1.0, 2.6980632, 3.6936662, 3.8694432] is
    class 1.0
1879 Its nearest neighbor is [1.0, 2.6472784, 3.6755527
    , 3.7501884] which is class 1.0
1880 Instance [2.0, 2.0106168, 3.7782693, 4.4961959] is
    class 2.0
1881 Its nearest neighbor is [2.0, 2.2589271, 3.9385936
    , 4.4031853] which is class 2.0
1882 Instance [2.0, 3.6388858, 4.0259793, 2.3011349] is
    class 2.0
1883 Its nearest neighbor is [2.0, 3.6856646, 3.8703179
    , 2.1051764] which is class 2.0
1884 Instance [2.0, 4.7125413, 3.562318, 2.966557] is
    class 2.0
1885 Its nearest neighbor is [2.0, 4.5303808, 3.4888153
    , 3.2542683] which is class 2.0
1886 Instance [2.0, 2.8684313, 2.3866194, 4.0178278] is
    class 2.0
1887 Its nearest neighbor is [2.0, 2.9453213, 2.4653532
    , 4.0613221] which is class 2.0
1888 Instance [2.0, 2.7068203, 2.3607439, 2.6686659] is
    class 2.0
1889 Its nearest neighbor is [2.0, 2.5503177, 2.5388672
    , 2.7860219] which is class 2.0
```

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1890 Instance [2.0, 4.2030925, 3.0981469, 1.9257093] is
    class 2.0
1891 Its nearest neighbor is [2.0, 4.182166, 2.9120252
    , 1.814675] which is class 2.0
1892 Instance [1.0, 3.4179619, 3.9384116, 3.6822093] is
    class 1.0
1893 Its nearest neighbor is [1.0, 3.5153701, 3.7580808
    , 3.6846782] which is class 1.0
1894 Instance [2.0, 2.3102172, 2.1990945, 2.8502395] is
    class 2.0
1895 Its nearest neighbor is [2.0, 2.1374916, 2.287405
    , 2.9461405] which is class 2.0
1896 Instance [2.0, 4.2820224, 3.2949921, 3.6295992] is
    class 2.0
1897 Its nearest neighbor is [2.0, 4.0849142, 3.4619399
    , 3.6415138] which is class 2.0
1898 Instance [2.0, 3.1638509, 2.8652789, 2.1407709] is
    class 2.0
1899 Its nearest neighbor is [2.0, 3.0452874, 2.7019476
    , 2.1584036] which is class 2.0
1900 Instance [2.0, 3.7703149, 2.591481, 5.2258738] is
    class 2.0
1901 Its nearest neighbor is [2.0, 3.3594251, 2.4052433
    , 4.9128636] which is class 2.0
1902 Instance [2.0, 1.1941225, 3.4623346, 1.9531195] is
    class 2.0
1903 Its nearest neighbor is [2.0, 1.4479696, 3.172115
    , 2.0857652] which is class 2.0
1904 Instance [2.0, 1.4479696, 3.172115, 2.0857652] is
    class 2.0
1905 Its nearest neighbor is [2.0, 1.3528003, 2.9431836
    , 2.2848441] which is class 2.0
1906 Instance [1.0, 2.7974357, 3.6350674, 3.197759] is
    class 1.0
1907 Its nearest neighbor is [1.0, 2.6639747, 3.6777212
    , 3.2033936] which is class 1.0
1908 Instance [2.0, 3.3588043, 4.5739322, 1.7929255] is
    class 2.0
1909 Its nearest neighbor is [2.0, 3.2765227, 4.4932282
    , 1.8944174] which is class 2.0
1910 Instance [2.0, 3.338548, 1.8540033, 4.9272697] is
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1910 class 2.0
1911 Its nearest neighbor is [2.0, 3.239013, 2.0218022
    , 4.5892233] which is class 2.0
1912 Instance [2.0, 3.4450263, 2.7512075, 4.5369843] is
    class 2.0
1913 Its nearest neighbor is [2.0, 3.3022897, 2.822095
    , 4.3153373] which is class 2.0
1914 Instance [2.0, 4.1705914, 2.3493089, 1.15873] is
    class 2.0
1915 Its nearest neighbor is [2.0, 4.3360147, 1.9862572
    , 1.2166864] which is class 2.0
1916 Instance [2.0, 3.1024523, 1.8885749, 4.1081553] is
    class 2.0
1917 Its nearest neighbor is [2.0, 3.2277502, 2.0848533
    , 4.1424929] which is class 2.0
1918 Instance [1.0, 3.1004459, 3.8530514, 3.4265516] is
    class 1.0
1919 Its nearest neighbor is [1.0, 3.143818, 4.000795,
    3.5864358] which is class 1.0
1920 Instance [2.0, 2.1141032, 4.4977882, 3.5042259] is
    class 1.0
1921 Its nearest neighbor is [1.0, 2.0904947, 4.5720091
    , 3.3521839] which is class 1.0
1922 Instance [2.0, 3.4794528, 0.88484182, 3.0737965] is
    class 2.0
1923 Its nearest neighbor is [2.0, 3.2106924, 0.
    75010176, 3.0808354] which is class 2.0
1924 Instance [2.0, 2.54355, 2.5363479, 2.2793438] is
    class 2.0
1925 Its nearest neighbor is [2.0, 2.5135162, 2.3943731
    , 2.3610709] which is class 2.0
1926 Instance [1.0, 3.2160528, 3.313563, 3.1715475] is
    class 1.0
1927 Its nearest neighbor is [1.0, 3.110978, 3.301079,
    3.1988695] which is class 1.0
1928 Instance [2.0, 1.6373757, 2.5947238, 4.0450457] is
    class 2.0
1929 Its nearest neighbor is [2.0, 1.7179277, 2.599109
    , 4.0700091] which is class 2.0
1930 Instance [2.0, 3.6413752, 3.1988295, 4.4427999] is
    class 2.0
```

1931 Its nearest neighbor is [2.0, 3.5657489, 3.1879716 , 4.4510748] which is class 2.0
1932 Instance [2.0, 2.1804195, 2.9010233, 1.2829729] is class 2.0
1933 Its nearest neighbor is [2.0, 1.9481535, 2.8208276 , 1.4503778] which is class 2.0
1934 Instance [2.0, 3.612481, 3.0047133, 2.7342386] is class 2.0
1935 Its nearest neighbor is [2.0, 3.6079513, 3.0775338 , 2.7810177] which is class 2.0
1936 Instance [2.0, 2.7221292, 2.0120539, 5.7336835] is class 2.0
1937 Its nearest neighbor is [2.0, 2.5735325, 1.7930311 , 5.5029377] which is class 2.0
1938 Instance [2.0, 3.3808675, 0.27178957, 3.3054288] is class 2.0
1939 Its nearest neighbor is [2.0, 3.3677992, 0. 75814112, 3.4773625] which is class 2.0
1940 Instance [2.0, 3.2787418, 3.0122224, 2.9666418] is class 2.0
1941 Its nearest neighbor is [2.0, 3.2635634, 2.9929576 , 2.9425033] which is class 2.0
1942 Instance [2.0, 3.9130835, 5.2025272, 3.5046471] is class 2.0
1943 Its nearest neighbor is [2.0, 3.4334735, 5.086915 , 3.3770782] which is class 2.0
1944 Instance [2.0, 2.5135162, 2.3943731, 2.3610709] is class 2.0
1945 Its nearest neighbor is [2.0, 2.54355, 2.5363479, 2.2793438] which is class 2.0
1946 Instance [1.0, 3.2977756, 3.241469, 3.2512799] is class 1.0
1947 Its nearest neighbor is [1.0, 3.2160528, 3.313563 , 3.1715475] which is class 1.0
1948 Instance [2.0, 0.93516823, 2.1942711, 2.0479545] is class 2.0
1949 Its nearest neighbor is [2.0, 0.6257823, 2.1196028 , 1.8928242] which is class 2.0
1950 Instance [2.0, 2.940341, 4.2014883, 2.8052461] is class 2.0
1951 Its nearest neighbor is [2.0, 2.7203555, 4.2695739

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1951 , 2.9122758] which is class 2.0
1952 Instance [1.0, 2.5220515, 3.6209606, 3.516623] is
    class 1.0
1953 Its nearest neighbor is [1.0, 2.6372527, 3.5686443
    , 3.5363356] which is class 1.0
1954 Instance [1.0, 3.1097116, 3.7734245, 3.7405956] is
    class 1.0
1955 Its nearest neighbor is [1.0, 3.0378999, 3.9679256
    , 3.6777094] which is class 1.0
1956 Instance [2.0, 2.9552434, 4.1921691, 4.7292522] is
    class 2.0
1957 Its nearest neighbor is [2.0, 3.1898036, 4.0463546
    , 4.4816516] which is class 2.0
1958 Instance [2.0, 3.9026163, 4.0249671, 2.5526397] is
    class 2.0
1959 Its nearest neighbor is [2.0, 3.8677106, 3.8825881
    , 2.5562063] which is class 2.0
1960 Instance [2.0, 3.0501878, 3.187637, 2.2388077] is
    class 2.0
1961 Its nearest neighbor is [2.0, 3.068404, 3.2591566
    , 2.3047339] which is class 2.0
1962 Instance [2.0, 3.0244323, 4.0453993, 2.1503705] is
    class 2.0
1963 Its nearest neighbor is [2.0, 3.0465228, 3.9505787
    , 2.2147077] which is class 2.0
1964 Instance [2.0, 3.2720795, 2.6423858, 1.5966731] is
    class 2.0
1965 Its nearest neighbor is [2.0, 3.3944524, 2.5320077
    , 1.3802589] which is class 2.0
1966 Instance [2.0, 3.5595684, 2.1168324, 1.8977332] is
    class 2.0
1967 Its nearest neighbor is [2.0, 3.4460646, 2.3545799
    , 1.8652719] which is class 2.0
1968 Instance [2.0, 2.148951, 2.937347, 4.0312098] is
    class 2.0
1969 Its nearest neighbor is [2.0, 2.393905, 2.9492959
    , 4.1216433] which is class 2.0
1970 Instance [2.0, 4.4783758, 0.27800686, 3.8934329] is
    class 2.0
1971 Its nearest neighbor is [2.0, 4.2751043, 0.
    67237989, 3.6206116] which is class 2.0
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1972 Instance [2.0, 3.5657489, 3.1879716, 4.4510748] is
    class 2.0
1973 Its nearest neighbor is [2.0, 3.6413752, 3.1988295
    , 4.4427999] which is class 2.0
1974 Instance [1.0, 2.8235161, 1.1313697, 3.1263412] is
    class 1.0
1975 Its nearest neighbor is [1.0, 2.9771992, 1.1180986
    , 3.1963528] which is class 1.0
1976 Instance [2.0, 1.7090932, 3.2333065, 5.9081824] is
    class 2.0
1977 Its nearest neighbor is [2.0, 2.2209083, 2.8843613
    , 5.5229476] which is class 2.0
1978 Instance [2.0, 3.2970636, 1.880733, 1.4904753] is
    class 2.0
1979 Its nearest neighbor is [2.0, 3.3675401, 1.8065992
    , 1.6684156] which is class 2.0
1980 Instance [2.0, 3.979341, 2.8905909, 3.2338648] is
    class 2.0
1981 Its nearest neighbor is [2.0, 4.0316418, 2.8883222
    , 3.3023638] which is class 2.0
1982 Instance [2.0, 3.0586093, 3.291362, 1.8147286] is
    class 2.0
1983 Its nearest neighbor is [2.0, 2.9974809, 3.1118216
    , 1.9262681] which is class 2.0
1984 Instance [2.0, 2.1303641, 4.4017444, 4.2350352] is
    class 2.0
1985 Its nearest neighbor is [2.0, 2.0119444, 4.1579656
    , 3.9235668] which is class 2.0
1986 Instance [2.0, 4.0316418, 2.8883222, 3.3023638] is
    class 2.0
1987 Its nearest neighbor is [2.0, 3.979341, 2.8905909
    , 3.2338648] which is class 2.0
1988 Instance [2.0, 3.5640798, 4.1495759, 2.5913127] is
    class 2.0
1989 Its nearest neighbor is [2.0, 3.3478894, 4.3208782
    , 2.6312031] which is class 2.0
1990 Instance [2.0, 0.87247397, 2.6903986, 4.0847762] is
    class 2.0
1991 Its nearest neighbor is [2.0, 0.75584269, 2.
    8253089, 4.3865958] which is class 2.0
1992 Instance [1.0, 2.821918, 3.8876032, 3.3694366] is
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1992 class 1.0
1993 Its nearest neighbor is [1.0, 2.821462, 3.910565,
    3.1615999] which is class 1.0
1994 Instance [2.0, 1.192031, 4.1056079, 4.0816393] is
    class 2.0
1995 Its nearest neighbor is [2.0, 1.5951955, 4.1678489
    , 4.0258335] which is class 2.0
1996 Instance [2.0, 2.4338954, 2.2638682, 2.6656217] is
    class 2.0
1997 Its nearest neighbor is [2.0, 2.4010253, 2.2324041
    , 2.4501963] which is class 2.0
1998 Instance [2.0, 2.7897685, 2.660458, 1.5730916] is
    class 2.0
1999 Its nearest neighbor is [2.0, 2.7633226, 2.6815244
    , 1.5310196] which is class 2.0
2000 Instance [2.0, 1.8334327, 3.5186933, 2.4640299] is
    class 2.0
2001 Its nearest neighbor is [2.0, 1.8574019, 3.332066
    , 2.4734424] which is class 2.0
2002 Instance [2.0, 3.9793091, 3.5114813, 2.9903259] is
    class 2.0
2003 Its nearest neighbor is [2.0, 4.1838159, 3.4817907
    , 2.7970247] which is class 2.0
2004 Instance [2.0, 3.3273796, 3.4749594, 2.4810383] is
    class 2.0
2005 Its nearest neighbor is [2.0, 3.395826, 3.3549308
    , 2.5032741] which is class 2.0
2006 Instance [1.0, 2.8200346, 3.9314669, 3.6260484] is
    class 1.0
2007 Its nearest neighbor is [1.0, 3.0378999, 3.9679256
    , 3.6777094] which is class 1.0
2008 Instance [2.0, 3.9437666, 2.072793, 3.5079333] is
    class 2.0
2009 Its nearest neighbor is [2.0, 3.9105476, 1.9694616
    , 3.4981121] which is class 2.0
2010 Time taken to validate: 0.6231 s
2011 Accuracy: 0.949
2012 Time taken to train: 0.6241 s
2013
2014 Process finished with exit code 0
2015
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