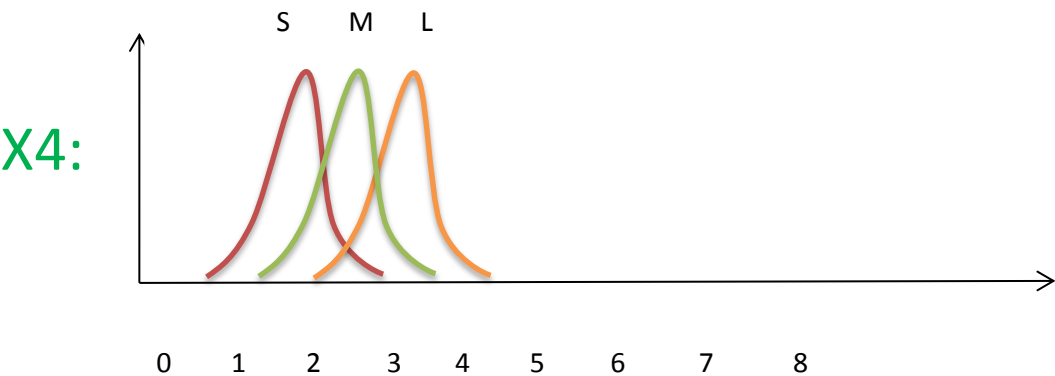
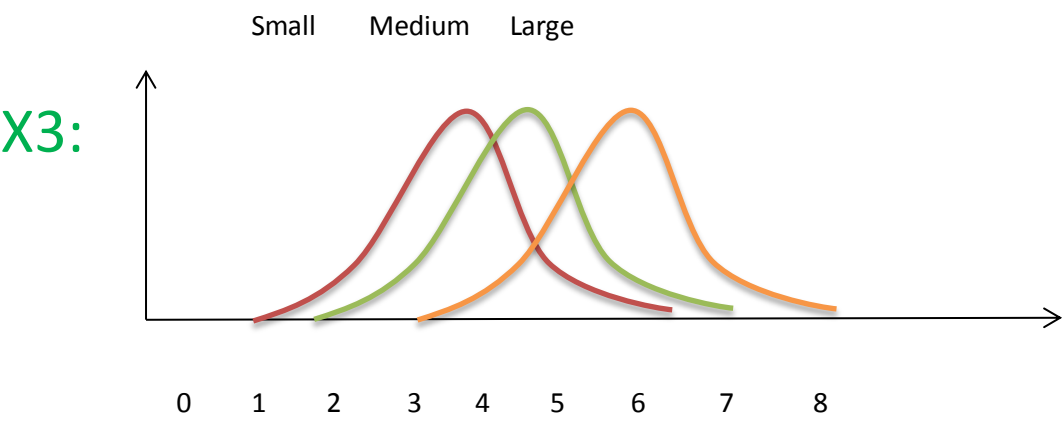
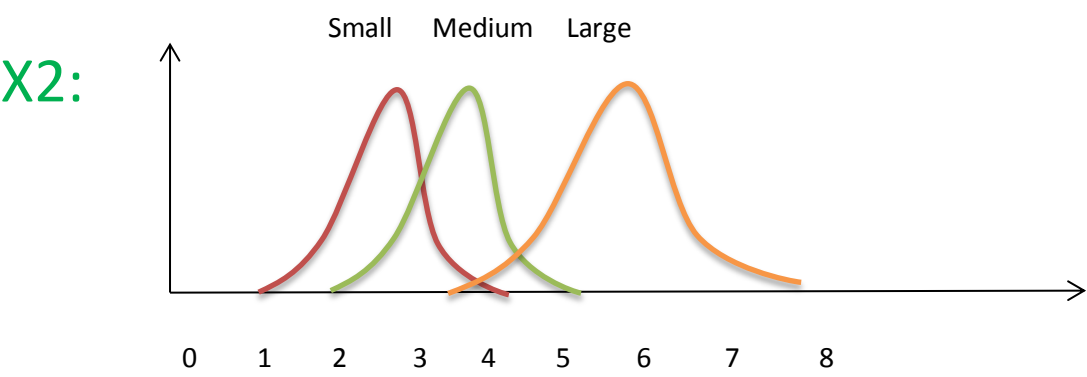
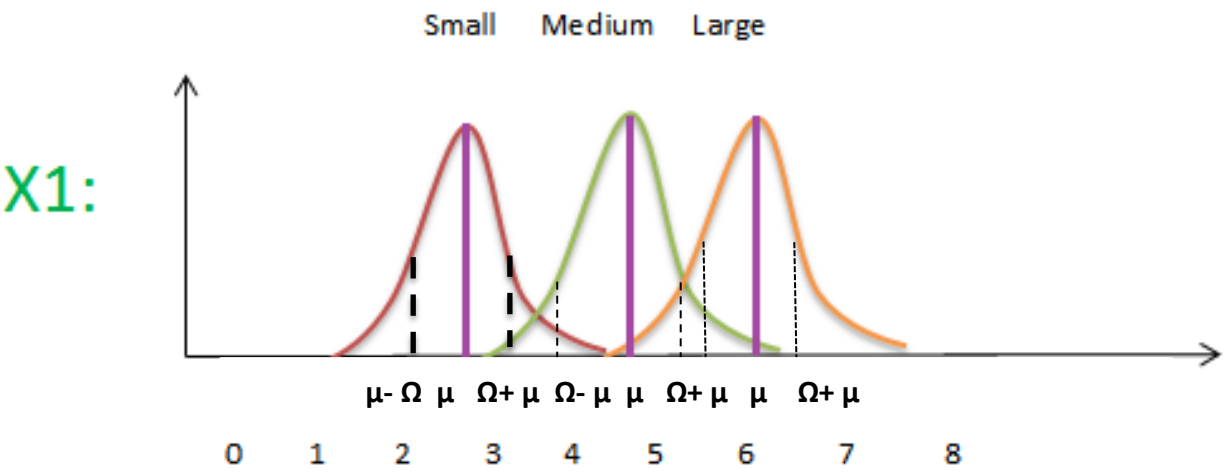


Membership Function:



Parameters:

Rule	A1	A2	A3	A4	B
R1	0.3	0.4	0.5	0.6	0.7
R2	0.1	0.2	0.3	0.5	0.6
R3	0.2	0.3	0.2	0.1	0.3

Rules:

IF X1=S **&** X2=S **&** X3 = L **&** X4=L **THEN** Y1=3.6 (SETOSA)

IF X1=L **&** X2=L **&** X3 = M **&** X4=S **THEN** Y2= 2.5 (VERSCOLOR)

IF X1=S **&** X2=M **&** X3 = M **&** X4=L **THEN** Y3=1.6 (VIRGINICA)

$$Y1 = 0.3 \cdot X1 + 0.4 \cdot X2 + 0.5 \cdot X3 + 0.6 \cdot X4 + 0.7;$$

$$Y2 = 0.1 \cdot X1 + 0.2 \cdot X2 + 0.3 \cdot X3 + 0.5 \cdot X4 + 0.6;$$

$$Y3 = 0.2 \cdot X1 + 0.3 \cdot X2 + 0.2 \cdot X3 + 0.1 \cdot X4 + 0.3;$$

Result:

Nº	X1	X2	X3	X4	Iris	Result
1	5.1	3.5	1.4	0.2	Iris-setosa	+
2	4.9	3.0	1.4	0.2	Iris-setosa	+
3	4.7	3.2	1.3	0.2	Iris-setosa	+
4	4.6	3.1	1.5	0.2	Iris-setosa	-
5	5.0	3.6	1.4	0.2	Iris-setosa	+
6	5.4	3.9	1.7	0.4	Iris-setosa	+
7	4.6	3.4	1.4	0.3	Iris-setosa	+
8	5.0	3.4	1.5	0.2	Iris-setosa	-
9	4.4	2.9	1.4	0.2	Iris-setosa	-
10	4.9	3.1	1.5	0.1	Iris-setosa	+
11	5.4	3.7	1.5	0.2	Iris-setosa	-
12	4.8	3.4	1.6	0.2	Iris-setosa	-
13	4.8	3.0	1.4	0.1	Iris-setosa	+
14	4.3	3.0	1.1	0.1	Iris-setosa	+
15	5.8	4.0	1.2	0.2	Iris-setosa	+
16	5.7	4.4	1.5	0.4	Iris-setosa	-
17	5.4	3.9	1.3	0.4	Iris-setosa	-
18	5.1	3.5	1.4	0.3	Iris-setosa	+
19	5.7	3.8	1.7	0.3	Iris-setosa	+
20	5.1	3.8	1.5	0.3	Iris-setosa	+
21	5.4	3.4	1.7	0.2	Iris-setosa	+
22	5.1	3.7	1.5	0.4	Iris-setosa	-
23	4.6	3.6	1.0	0.2	Iris-setosa	-
24	5.1	3.3	1.7	0.5	Iris-setosa	+
25	4.8	3.4	1.9	0.2	Iris-setosa	+
26	5.0	3.0	1.6	0.2	Iris-setosa	+
27	5.0	3.4	1.6	0.4	Iris-setosa	+
28	5.2	3.5	1.5	0.2	Iris-setosa	+

29	5.2	3.4	1.4	0.2	Iris-setosa	+
30	4.7	3.2	1.6	0.2	Iris-setosa	-
31	4.8	3.1	1.6	0.2	Iris-setosa	+
32	5.4	3.4	1.5	0.4	Iris-setosa	+
33	5.2	4.1	1.5	0.1	Iris-setosa	+
34	5.5	4.2	1.4	0.2	Iris-setosa	+
35	4.9	3.1	1.5	0.1	Iris-setosa	+
36	5.0	3.2	1.2	0.2	Iris-setosa	-
37	5.5	3.5	1.3	0.2	Iris-setosa	-
38	4.9	3.1	1.5	0.1	Iris-setosa	+
39	4.4	3.0	1.3	0.2	Iris-setosa	+
40	5.1	3.4	1.5	0.2	Iris-setosa	+
41	5.0	3.5	1.3	0.3	Iris-setosa	+
42	4.5	2.3	1.3	0.3	Iris-setosa	-
43	4.4	3.2	1.3	0.2	Iris-setosa	+
44	5.0	3.5	1.6	0.6	Iris-setosa	+
45	5.1	3.8	1.9	0.4	Iris-setosa	-
46	4.8	3.0	1.4	0.3	Iris-setosa	+
47	5.1	3.8	1.6	0.2	Iris-setosa	-
48	4.6	3.2	1.4	0.2	Iris-setosa	+
49	5.3	3.7	1.5	0.2	Iris-setosa	+
50	5.0	3.3	1.4	0.2	Iris-setosa	+
51	7.0	3.2	4.7	1.4	Iris-versicolor	+
52	6.4	3.2	4.5	1.5	Iris-versicolor	-
53	6.9	3.1	4.9	1.5	Iris-versicolor	+
54	5.5	2.3	4.0	1.3	Iris-versicolor	-
55	6.5	2.8	4.6	1.5	Iris-versicolor	+
56	5.7	2.8	4.5	1.3	Iris-versicolor	-
57	6.3	3.3	4.7	1.6	Iris-versicolor	-
58	4.9	2.4	3.3	1.0	Iris-versicolor	+
59	6.6	2.9	4.6	1.3	Iris-versicolor	+
60	5.2	2.7	3.9	1.4	Iris-versicolor	+
61	5.0	2.0	3.5	1.0	Iris-versicolor	+
62	5.9	3.0	4.2	1.5	Iris-versicolor	+
63	6.0	2.2	4.0	1.0	Iris-versicolor	-
64	6.1	2.9	4.7	1.4	Iris-versicolor	+
65	5.6	2.9	3.6	1.3	Iris-versicolor	+
66	6.7	3.1	4.4	1.4	Iris-versicolor	+
67	5.6	3.0	4.5	1.5	Iris-versicolor	+
68	5.8	2.7	4.1	1.0	Iris-versicolor	-
69	6.2	2.2	4.5	1.5	Iris-versicolor	+
70	5.6	2.5	3.9	1.1	Iris-versicolor	+
71	5.9	3.2	4.8	1.8	Iris-versicolor	+
72	6.1	2.8	4.0	1.3	Iris-versicolor	+
73	6.3	2.5	4.9	1.5	Iris-versicolor	+
74	6.1	2.8	4.7	1.2	Iris-versicolor	-
75	6.4	2.9	4.3	1.3	Iris-versicolor	-
76	6.6	3.0	4.4	1.4	Iris-versicolor	-
77	6.8	2.8	4.8	1.4	Iris-versicolor	+
78	6.7	3.0	5.0	1.7	Iris-versicolor	+
79	6.0	2.9	4.5	1.5	Iris-versicolor	-
80	5.7	2.6	3.5	1.0	Iris-versicolor	+
81	5.5	2.4	3.8	1.1	Iris-versicolor	-
82	5.5	2.4	3.7	1.0	Iris-versicolor	+
83	5.8	2.7	3.9	1.2	Iris-versicolor	+
84	6.0	2.7	5.1	1.6	Iris-versicolor	-
85	5.4	3.0	4.5	1.5	Iris-versicolor	+
86	6.0	3.4	4.5	1.6	Iris-versicolor	+
87	6.7	3.1	4.7	1.5	Iris-versicolor	+
88	6.3	2.3	4.4	1.3	Iris-versicolor	+

89	5.6	3.0	4.1	1.3	Iris-versicolor	+
90	5.5	2.5	4.0	1.3	Iris-versicolor	-
91	5.5	2.6	4.4	1.2	Iris-versicolor	+
92	6.1	3.0	4.6	1.4	Iris-versicolor	-
93	5.8	2.6	4.0	1.2	Iris-versicolor	+
94	5.0	2.3	3.3	1.0	Iris-versicolor	+
95	5.6	2.7	4.2	1.3	Iris-versicolor	-
96	5.7	3.0	4.2	1.2	Iris-versicolor	-
97	5.7	2.9	4.2	1.3	Iris-versicolor	+
98	6.2	2.9	4.3	1.3	Iris-versicolor	+
99	5.1	2.5	3.0	1.1	Iris-versicolor	+
100	5.7	2.8	4.1	1.3	Iris-versicolor	+
101	6.3	3.3	6.0	2.5	Iris-virginica	+
102	5.8	2.7	5.1	1.9	Iris-virginica	+
103	7.1	3.0	5.9	2.1	Iris-virginica	+
104	6.3	2.9	5.6	1.8	Iris-virginica	+
105	6.5	3.0	5.8	2.2	Iris-virginica	+
106	7.6	3.0	6.6	2.1	Iris-virginica	+
107	4.9	2.5	4.5	1.7	Iris-virginica	+
108	7.3	2.9	6.3	1.8	Iris-virginica	+
109	6.7	2.5	5.8	1.8	Iris-virginica	+
110	7.2	3.6	6.1	2.5	Iris-virginica	+
111	6.5	3.2	5.1	2.0	Iris-virginica	+
112	6.4	2.7	5.3	1.9	Iris-virginica	+
113	6.8	3.0	5.5	2.1	Iris-virginica	-
114	5.7	2.5	5.0	2.0	Iris-virginica	+
115	5.8	2.8	5.1	2.4	Iris-virginica	-
116	6.4	3.2	5.3	2.3	Iris-virginica	-
117	6.5	3.0	5.5	1.8	Iris-virginica	+
118	7.7	3.8	6.7	2.2	Iris-virginica	+
119	7.7	2.6	6.9	2.3	Iris-virginica	+
120	6.0	2.2	5.0	1.5	Iris-virginica	+
121	6.9	3.2	5.7	2.3	Iris-virginica	+
122	5.6	2.8	4.9	2.0	Iris-virginica	+
123	7.7	2.8	6.7	2.0	Iris-virginica	+
124	6.3	2.7	4.9	1.8	Iris-virginica	+
125	6.7	3.3	5.7	2.1	Iris-virginica	+
126	7.2	3.2	6.0	1.8	Iris-virginica	-
127	6.2	2.8	4.8	1.8	Iris-virginica	-
128	6.1	3.0	4.9	1.8	Iris-virginica	+
129	6.4	2.8	5.6	2.1	Iris-virginica	-
130	7.2	3.0	5.8	1.6	Iris-virginica	+
131	7.4	2.8	6.1	1.9	Iris-virginica	-
132	7.9	3.8	6.4	2.0	Iris-virginica	+
133	6.4	2.8	5.6	2.2	Iris-virginica	-
134	6.3	2.8	5.1	1.5	Iris-virginica	+
135	6.1	2.6	5.6	1.4	Iris-virginica	+
136	7.7	3.0	6.1	2.3	Iris-virginica	+
137	6.3	3.4	5.6	2.4	Iris-virginica	+
138	6.4	3.1	5.5	1.8	Iris-virginica	-
139	6.0	3.0	4.8	1.8	Iris-virginica	+
140	6.9	3.1	5.4	2.1	Iris-virginica	+
141	6.7	3.1	5.6	2.4	Iris-virginica	+
142	6.9	3.1	5.1	2.3	Iris-virginica	+
143	5.8	2.7	5.1	1.9	Iris-virginica	+
144	6.8	3.2	5.9	2.3	Iris-virginica	-
145	6.7	3.3	5.7	2.5	Iris-virginica	+
146	6.7	3.0	5.2	2.3	Iris-virginica	+
147	6.3	2.5	5.0	1.9	Iris-virginica	+
148	6.5	3.0	5.2	2.0	Iris-virginica	-

149	6.2	3.4	5.4	2.3	Iris-virginica	-
150	5.9	3.0	5.1	1.8	Iris-virginica	+

+ - true (108)

- -false (43)

Percent: 71,34%

