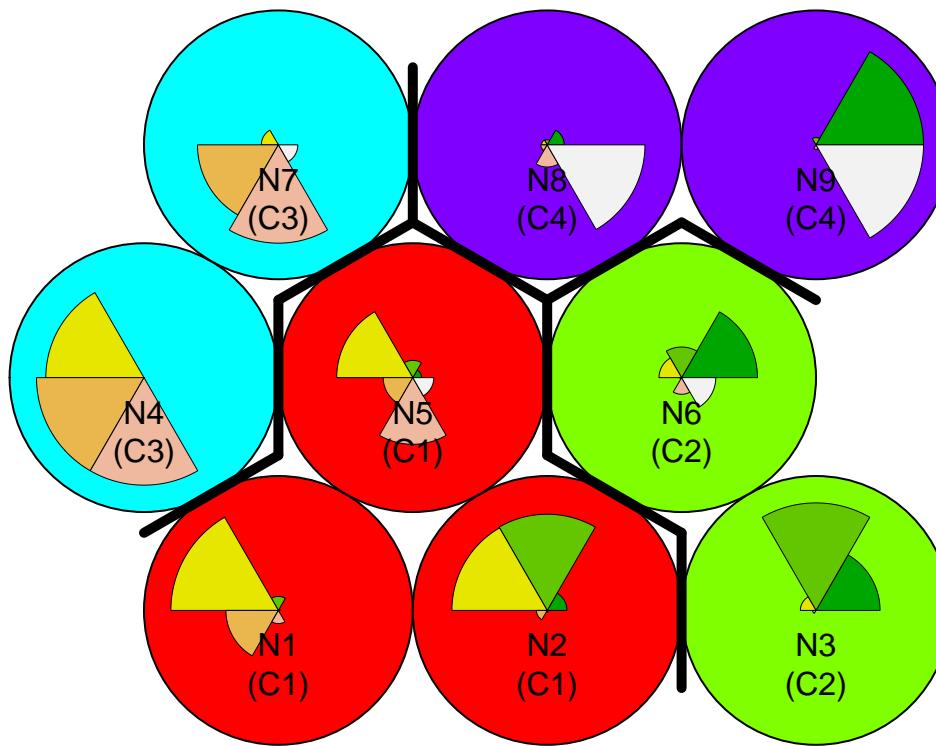


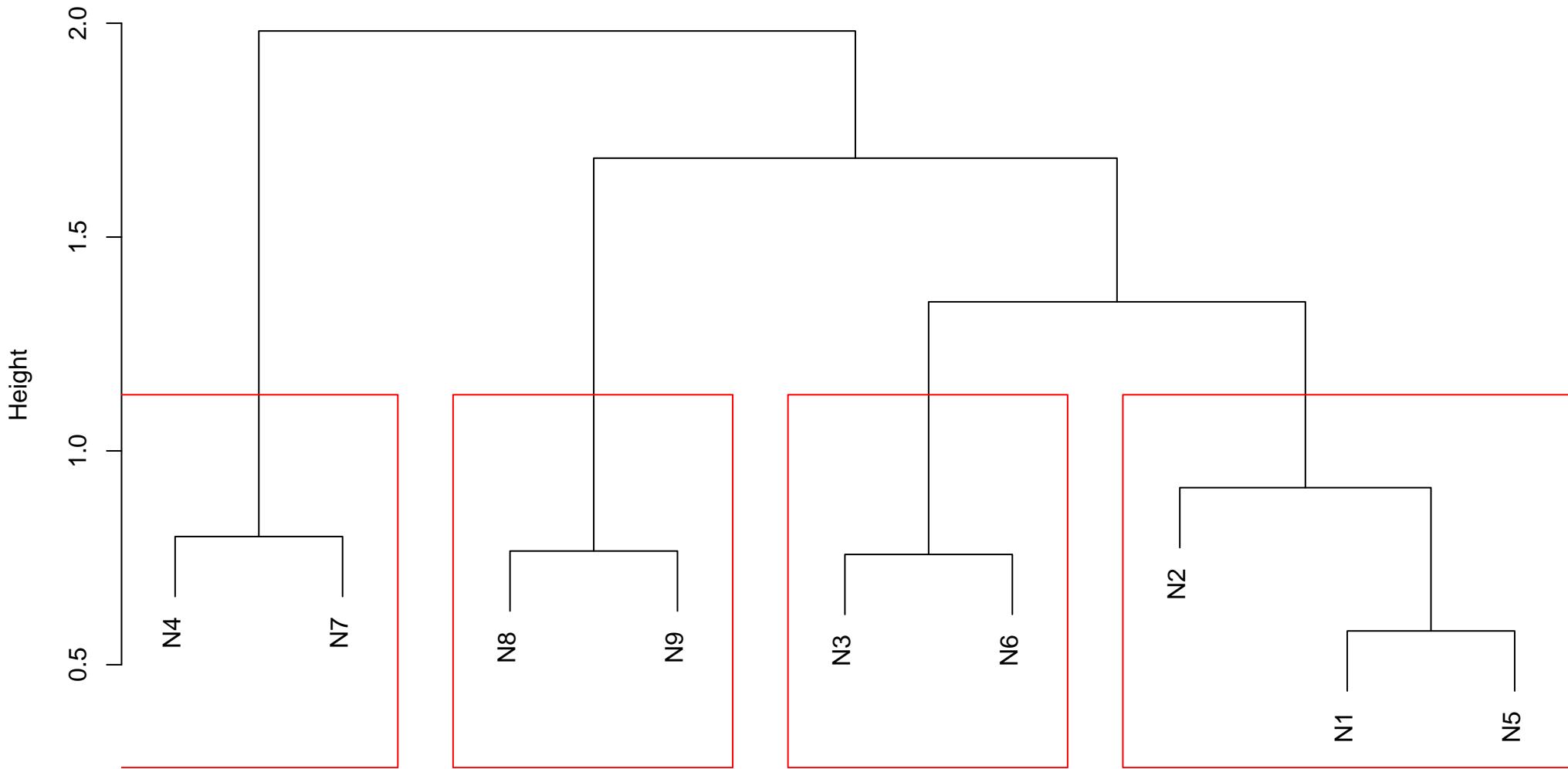
SOM – Clusters (k = 4)



- amazed.suprised ■ quiet.still
- happy.pleased ■ sad.lonely
- relaxing.calm ■ angry.aggresive

neuron	Y.amazed.suprised	Y.happy.pleased	Y.relaxing.calm	Y.quiet.still	Y.sad.lonely	Y.angry.aggressive
1 1	0	0	48	20	0	0
2 2	7	60	60	4	0	0
3 3	25	43	0	1	1	0
4 4	0	0	45	45	45	0
5 5	0	0	18	0	18	2
6 6	21	0	1	0	4	0
7 7	0	0	0	29	34	1
8 8	0	3	2	0	8	61
9 9	62	5	0	0	3	62

Cluster Dendrogram



dist(codebook.matrix.best.result)
hclust (*, "complete")

cluster	Y.amazed.suprised	Y.happy.pleased	Y.relaxing.calm	Y.quiet.still	Y.sad.lonely	Y.angry.aggresive
1 1	7	60	126	24	18	2
2 2	46	43	1	1	5	0
3 3	0	0	45	74	79	1
4 4	62	8	2	0	11	123

cluster		combinacao	frequencia
3	1	001011	2
6	1	011100	4
7	1	111000	7
2	1	001010	16
4	1	001100	20
1	1	001000	28
5	1	011000	49

cluster		combinacao	frequencia
2	2	010010	1
3	2	010100	1
6	2	101000	1
5	2	100010	4
1	2	010000	16
4	2	100000	16
7	2	110000	25

	cluster	combinacao	frequencia
4	3	000111	1
2	3	000100	3
1	3	000010	8
3	3	000110	25
5	3	001110	45

cluster		combinacao	frequencia
3	4	001001	2
4	4	010001	3
6	4	100011	3
7	4	110001	5
2	4	000011	8
1	4	000001	48
5	4	100001	54