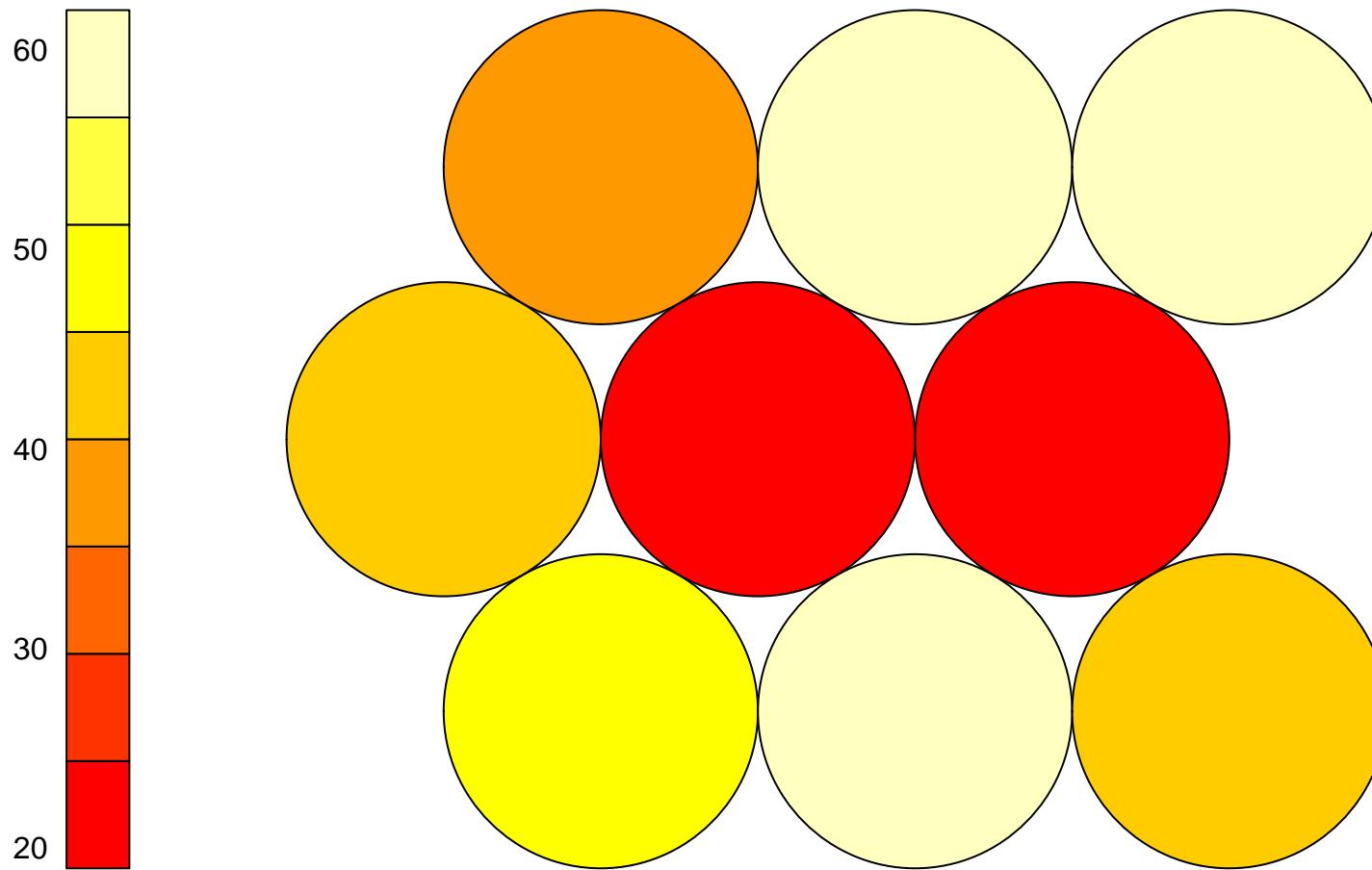
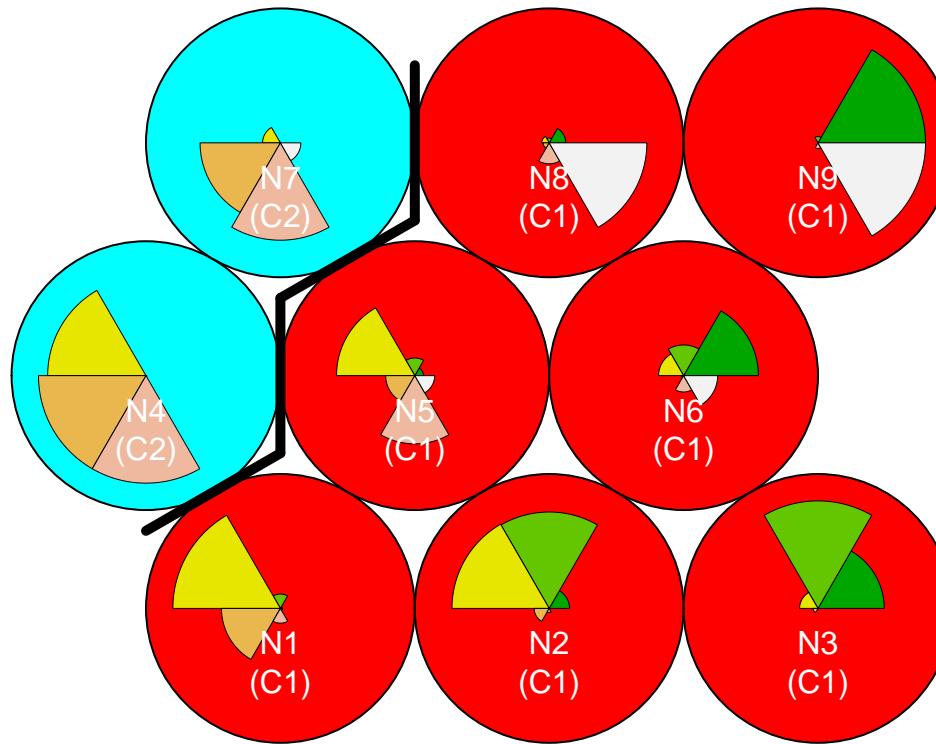


SOM – Counts (k = 2 )



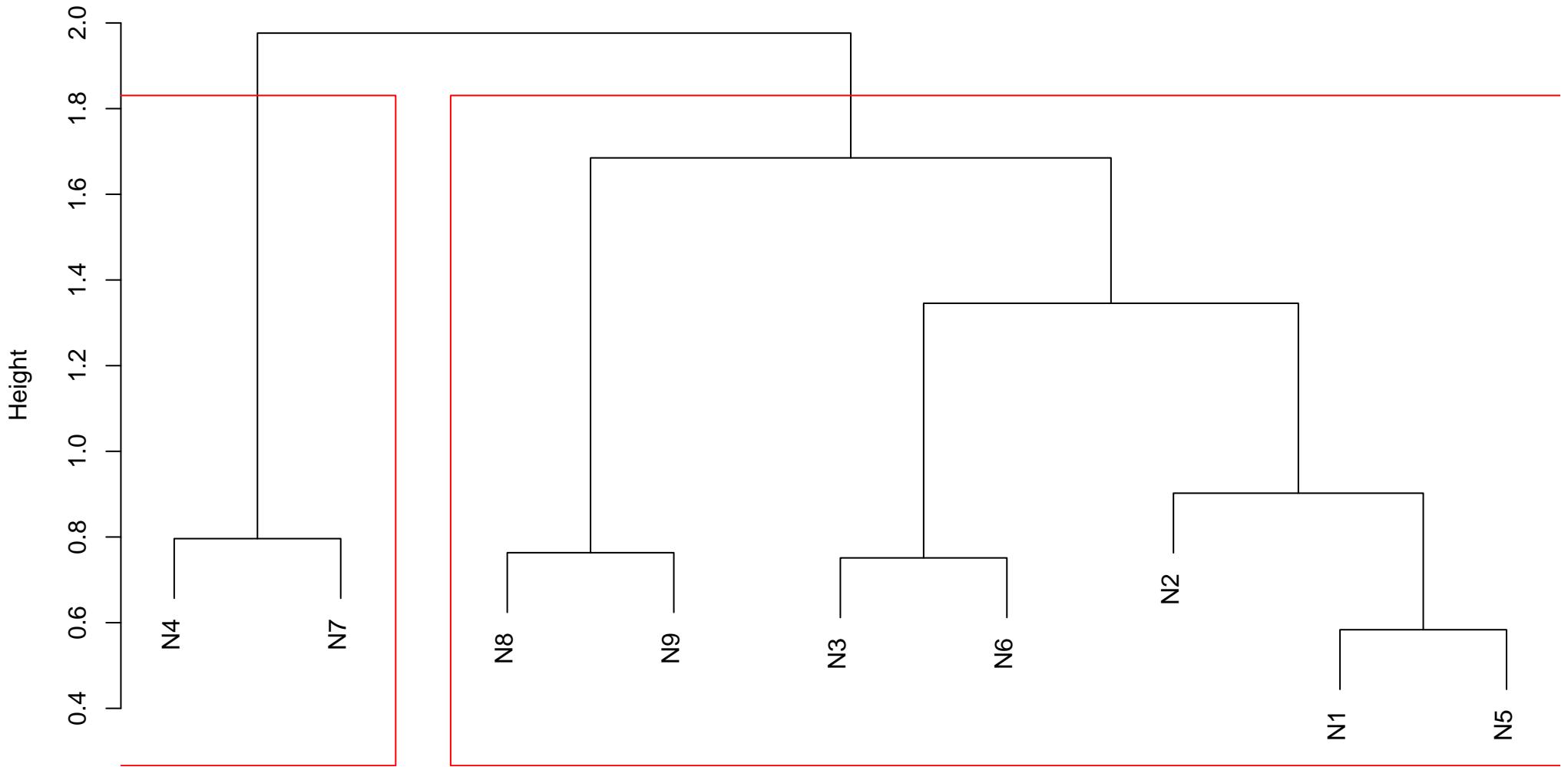
## SOM – Clusters (k = 2 )



neuron	Y.amazed.suprised	Y.happy.pleased	Y.relaxing.calm	Y.quiet.still	Y.sad.lonely	Y.angry.aggressive
1 1	0	0	49	21	0	1
2 2	8	62	62	4	0	0
3 3	26	42	0	1	0	0
4 4	0	0	44	44	44	0
5 5	0	0	19	0	19	2
6 6	21	0	1	0	4	0
7 7	0	0	0	28	33	1
8 8	0	4	2	0	8	62
9 9	61	4	0	0	3	61

Grid: gaussian\_hexagonal | rlen: 1000 | radius: 7 | alpha1: 0.5 | alpha2: 0.005 | QE Teste: 0.24622302379413

## 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.aggressive
1	1	116	112	133	26	34
2	2	0	0	44	72	77

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
8	1	001101	1
11	1	010100	1
18	1	101000	1
4	1	001001	2
6	1	001011	2
17	1	100011	3
10	1	010001	4
13	1	011100	4
16	1	100010	4
20	1	110001	4
2	1	000011	8
21	1	111000	8
9	1	010000	15
14	1	100000	16
5	1	001010	17
7	1	001100	20
19	1	110000	26
3	1	001000	28
1	1	000001	48
12	1	011000	50
15	1	100001	54

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
4	2	000111	1
2	2	000100	3
1	2	000010	8
3	2	000110	24
5	2	001110	44