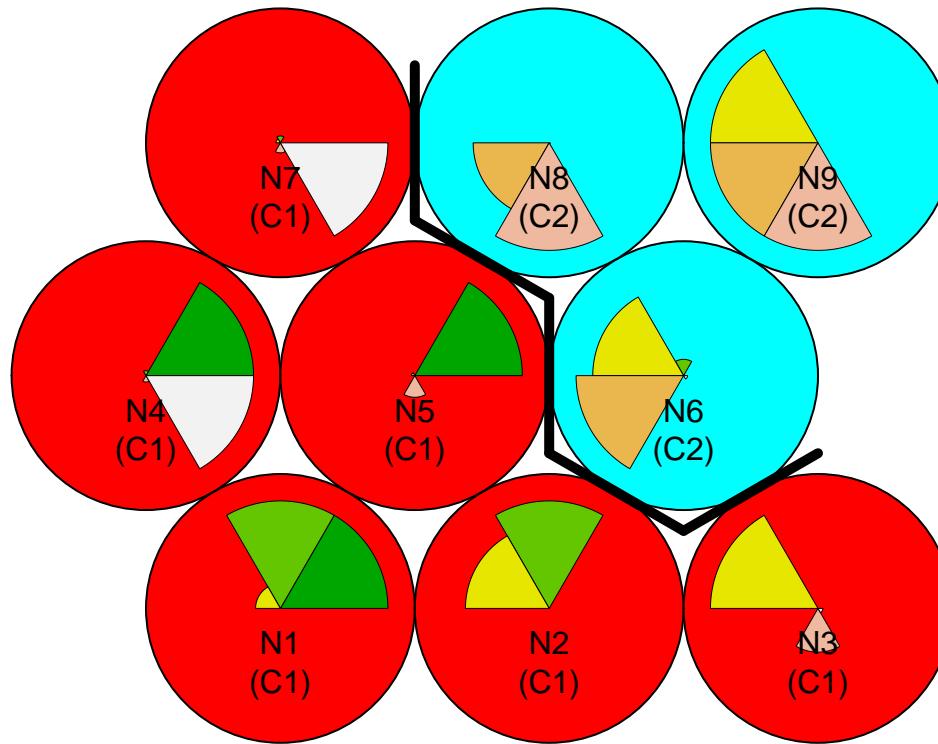


## SOM – Clusters (k = 2 )

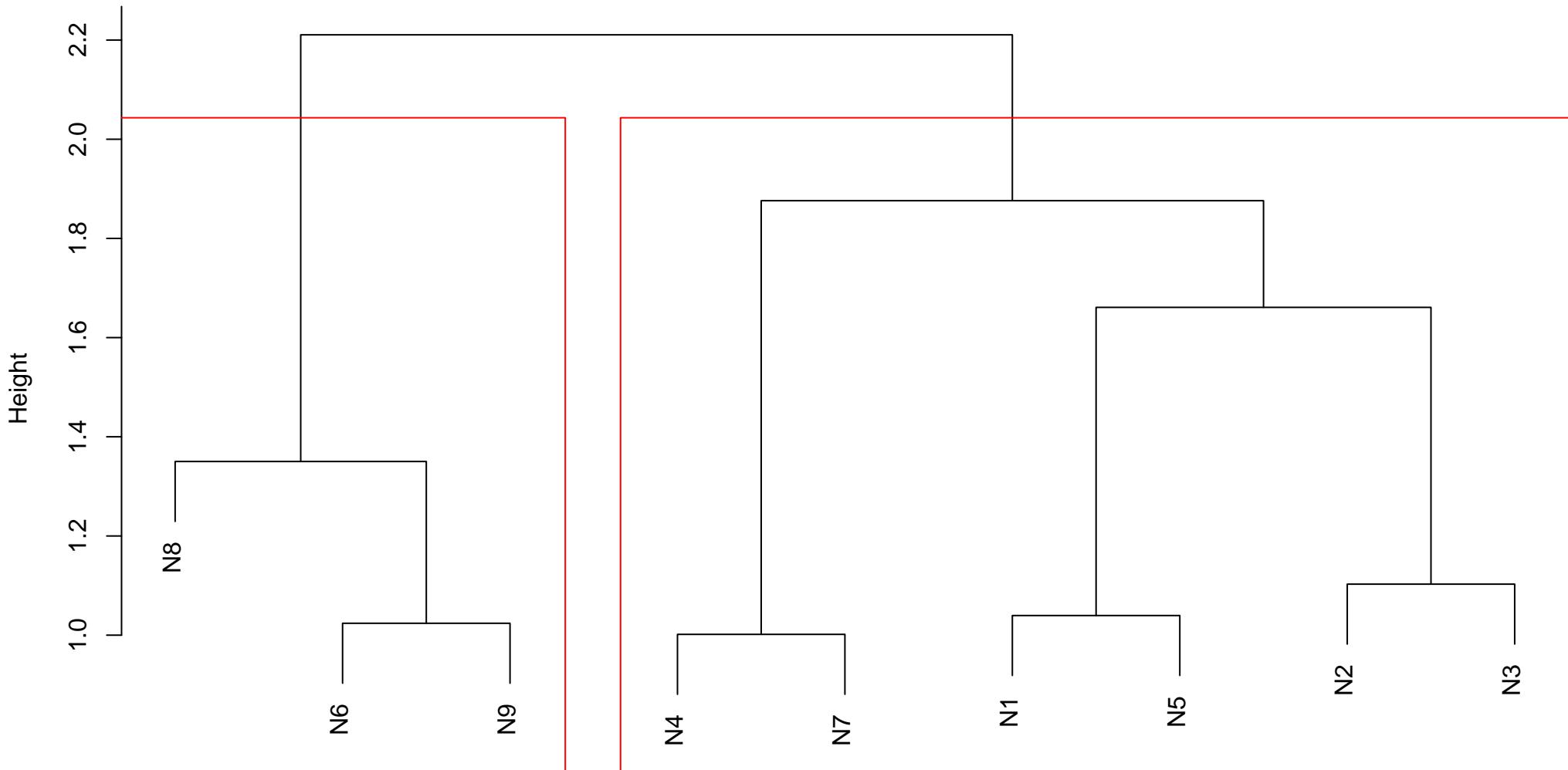


- amazed.suprised      ■ quiet.still
- happy.pleased      ■ sad.lonely
- relaxing.calm      ■ angry.aggresive

<b>neuron</b>	<b>Y.amazed.suprised</b>	<b>Y.happy.pleased</b>	<b>Y.relaxing.calm</b>	<b>Y.quiet.still</b>	<b>Y.sad.lonely</b>	<b>Y.angry.aggressive</b>
1 1	34	34	8	0	0	0
2 2	0	65	50	0	0	0
3 3	0	0	47	0	19	2
4 4	61	4	0	0	3	61
5 5	21	0	1	0	4	0
6 6	0	5	25	29	0	1
7 7	0	4	2	0	8	62
8 8	0	0	0	25	33	1
9 9	0	0	44	44	44	0

Grid: bubble\_hexagonal | rlen: 500 | radius: 3 | alpha1: 0.5 | alpha2: 0.005 | QE Teste: 0.176630479915084

## 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	116	107	108	0	34	125
2	0	5	69	98	77	2

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

<b>cluster</b>		<b>combinacao</b>	<b>frequencia</b>
4	2	000111	1
6	2	001101	1
8	2	010100	1
2	2	000100	3
9	2	011100	4
1	2	000010	8
5	2	001100	20
3	2	000110	24
7	2	001110	44