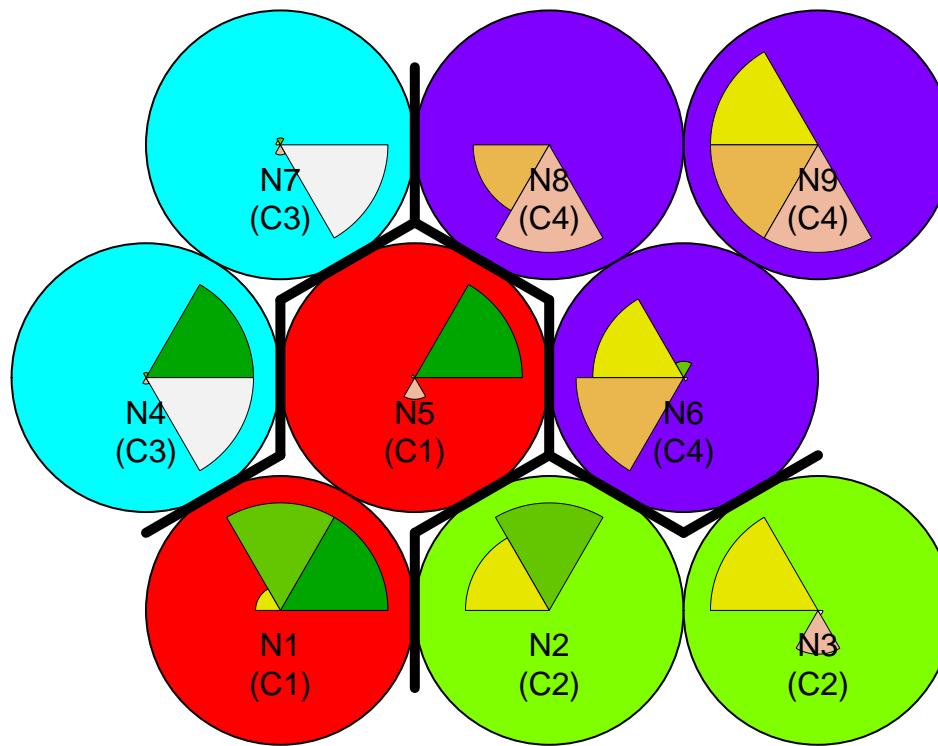


## SOM – Clusters (k = 4 )

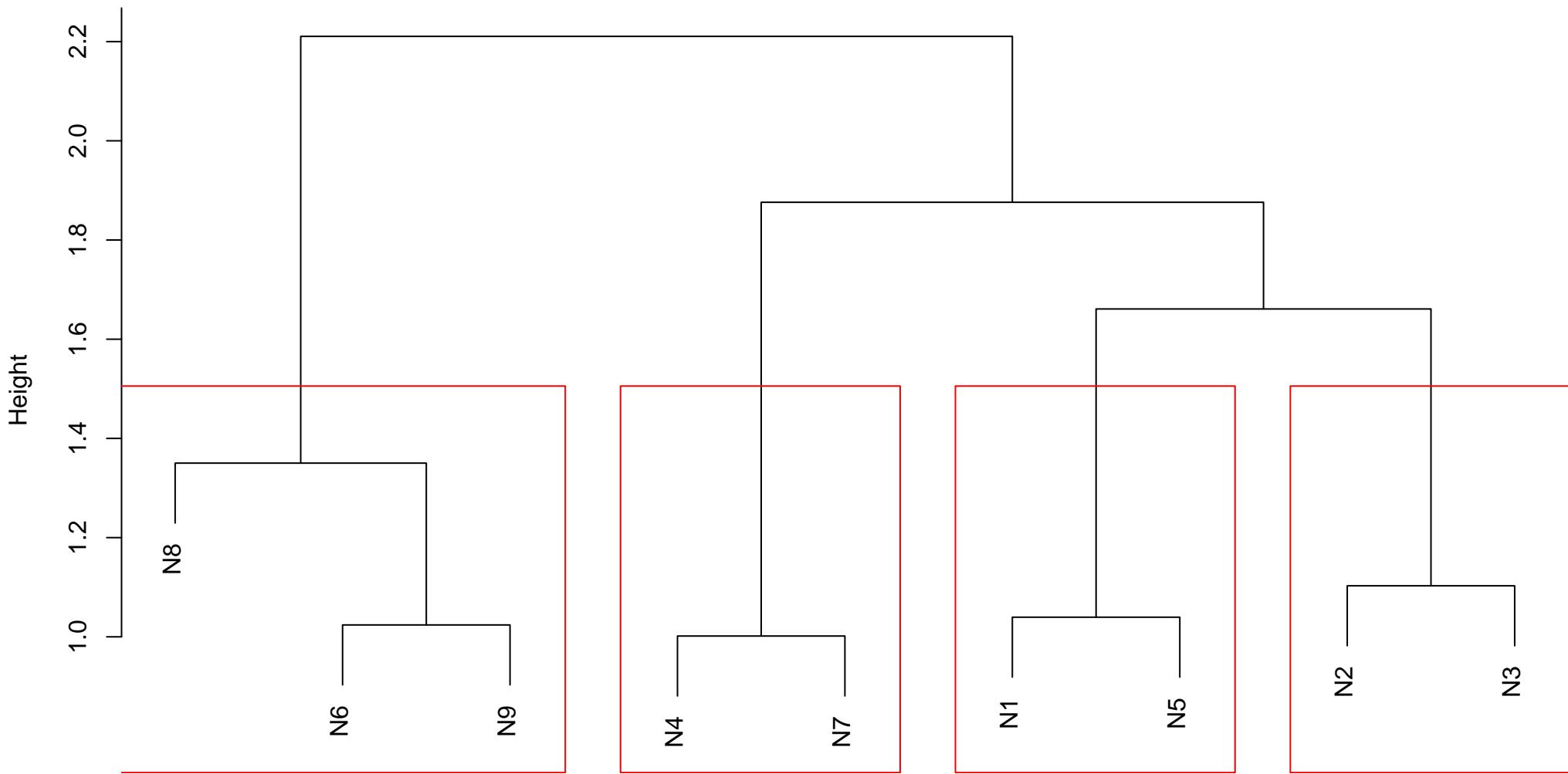


- amazed.suprised    ■ quiet.still
- happy.pleased    ■ sad.lonely
- relaxing.calm    ■ angry.aggresive

<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.aggresive
1	1	55	34	9	0	4	0
2	2	0	65	97	0	19	2
3	3	61	8	2	0	11	123
4	4	0	5	69	98	77	2

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	1	101000	1
2	1	100010	4
5	1	111000	8
1	1	100000	16
4	1	110000	26

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	2	001011	2
4	2	010000	15
2	2	001010	17
1	2	001000	28
5	2	011000	50

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

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