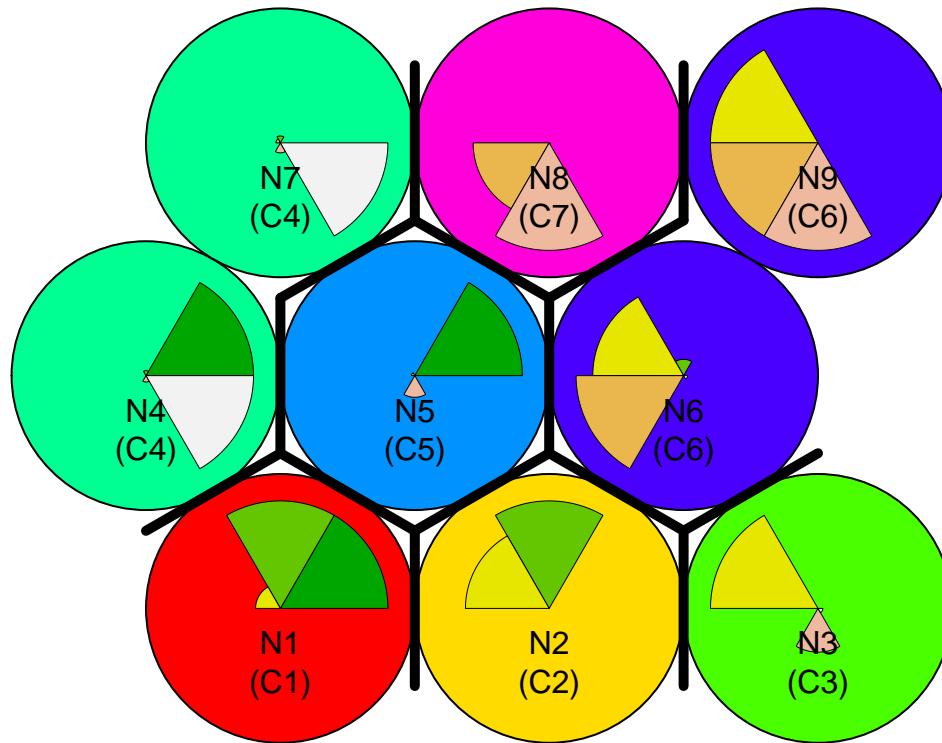


## SOM – Clusters (k = 7 )

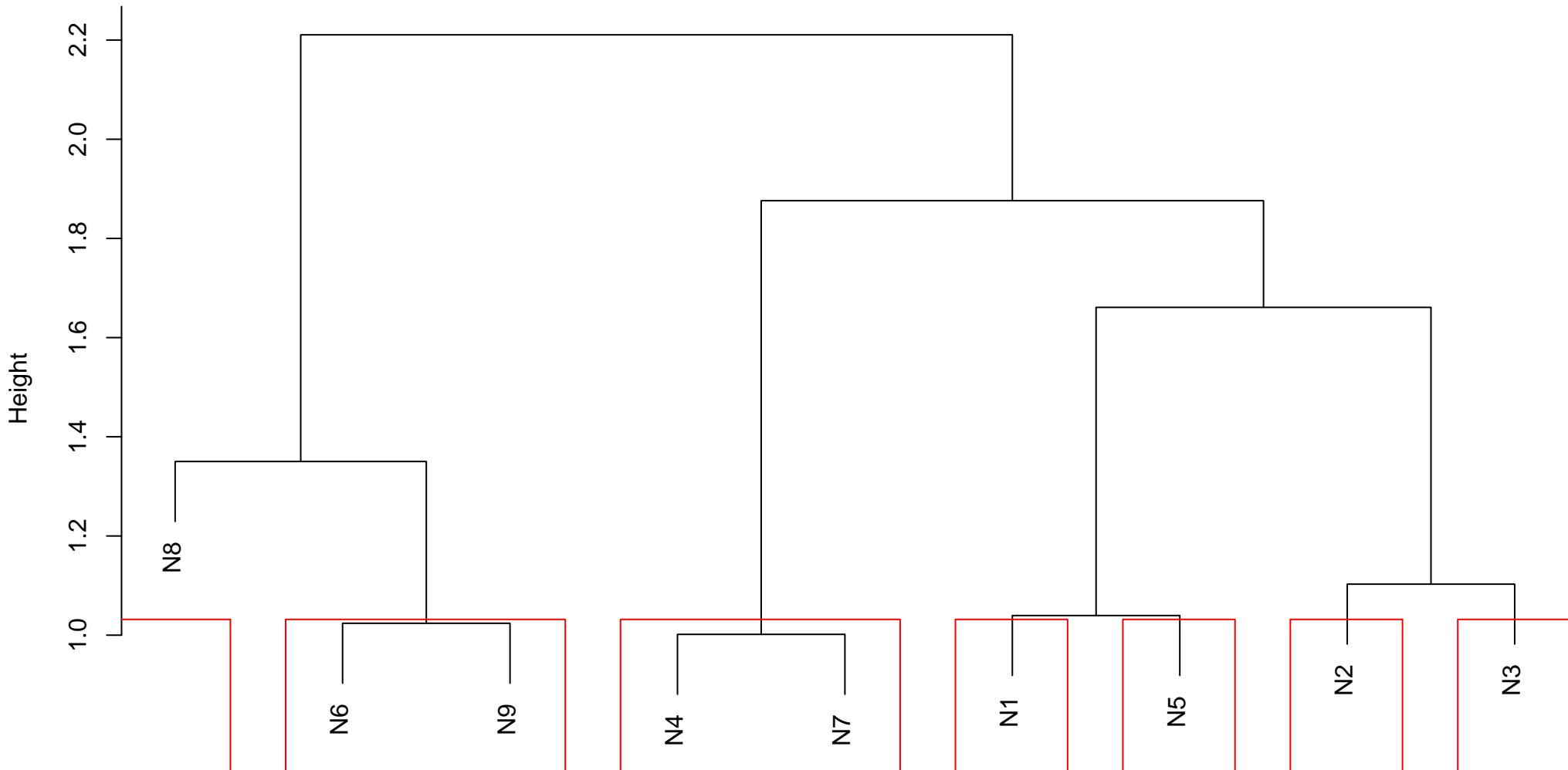


- |                   |                   |
|-------------------|-------------------|
| ■ amazed.suprised | ■ quiet.still     |
| ■ happy.pleased   | ■ sad.lonely      |
| ■ relaxing.calm   | ■ angry.aggresive |

<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	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	8	2	0	11	123
5	5	21	0	1	0	4	0
6	6	0	5	69	73	44	1
7	7	0	0	0	25	33	1

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
2	1	111000	8
1	1	110000	26

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
1	2	010000	15
2	2	011000	50

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	3	001011	2
2	3	001010	17
1	3	001000	28

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

<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	5	101000
2	5	100010
1	5	100000

<b>cluster</b>		<b>combinacao</b>	<b>frequencia</b>
3	6	001101	1
5	6	010100	1
1	6	000100	3
6	6	011100	4
2	6	001100	20
4	6	001110	44

	<b>cluster</b>	<b>combinacao</b>	<b>frequencia</b>
3	7	000111	1
1	7	000010	8
2	7	000110	24