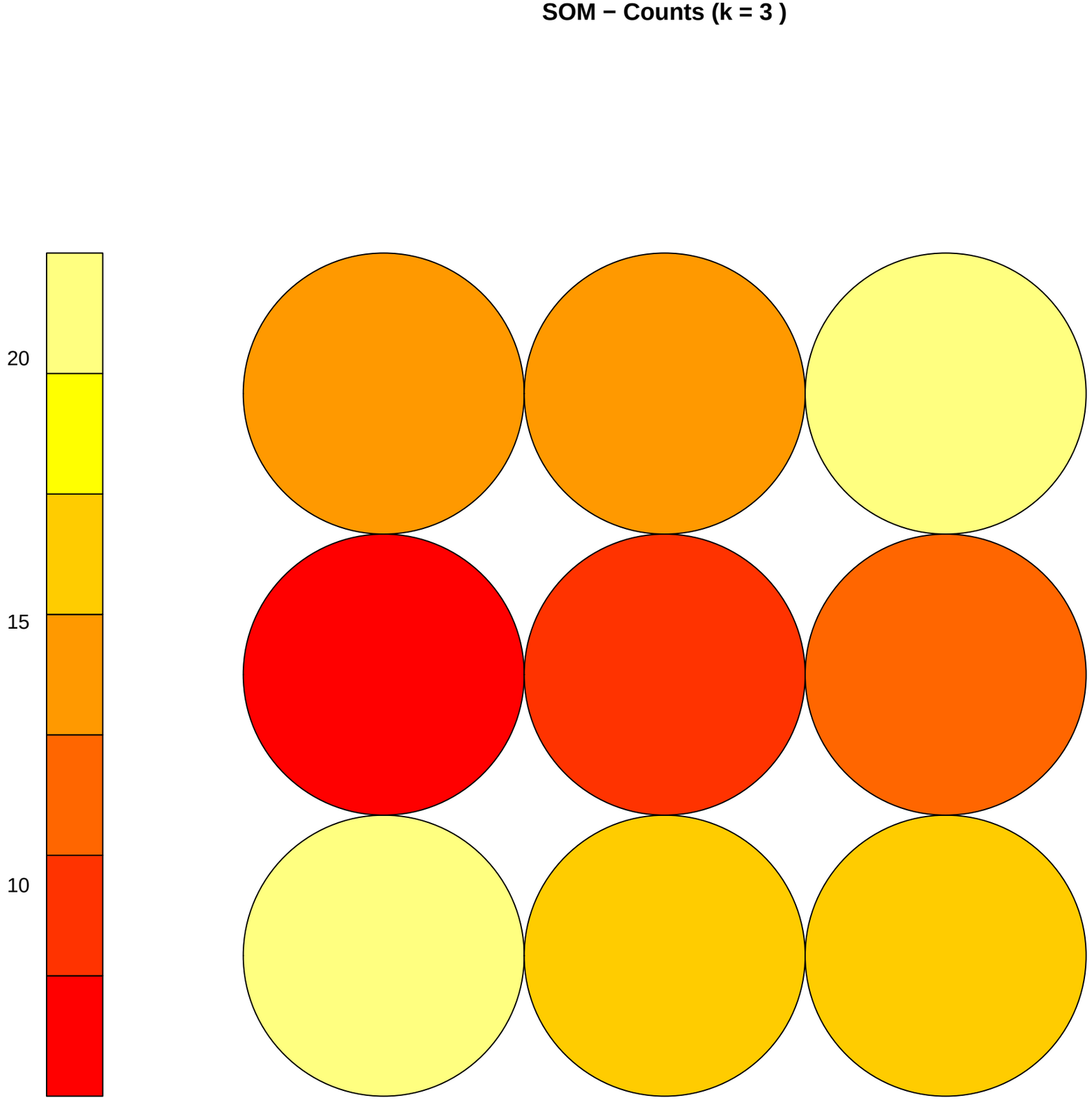
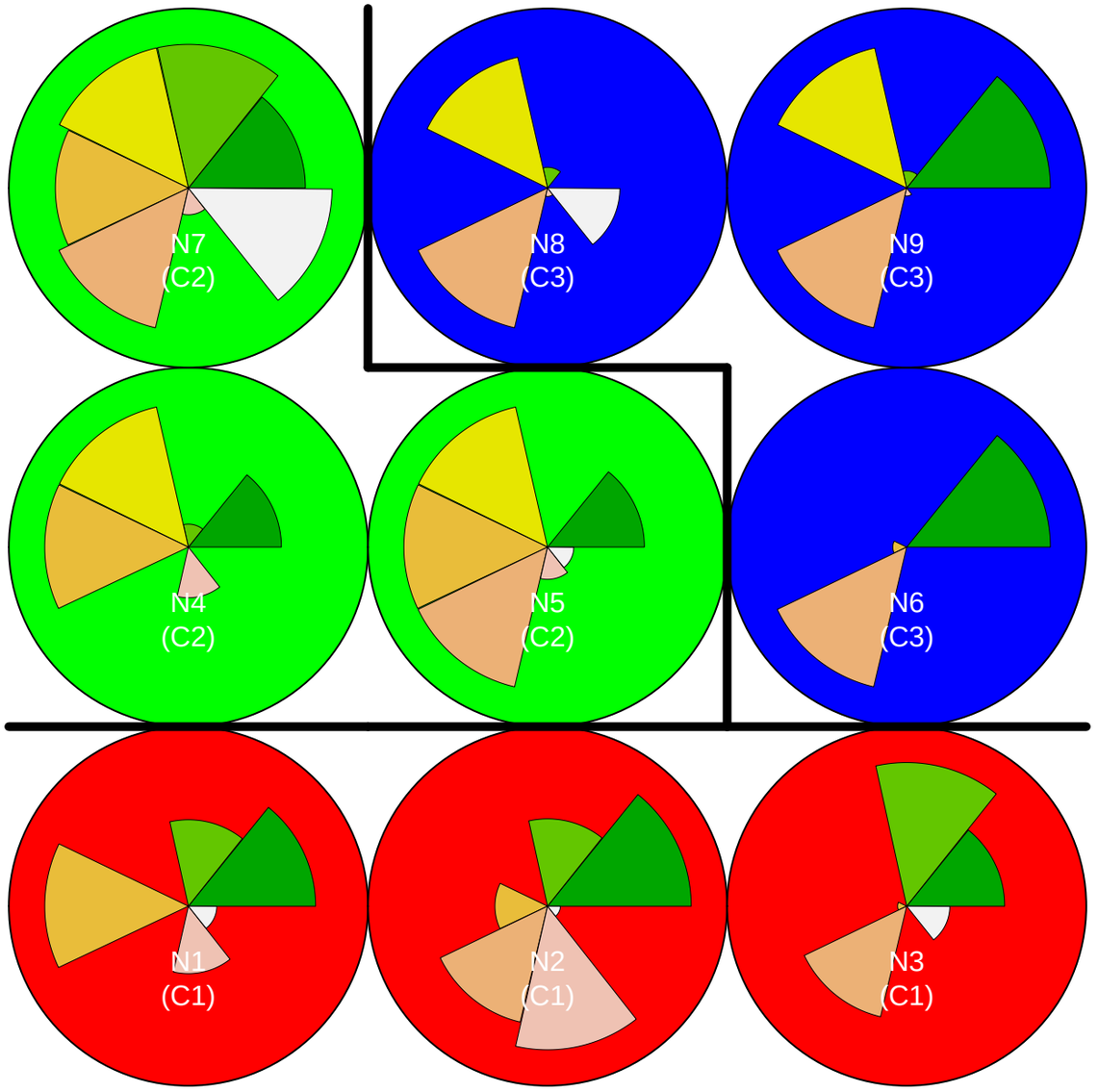
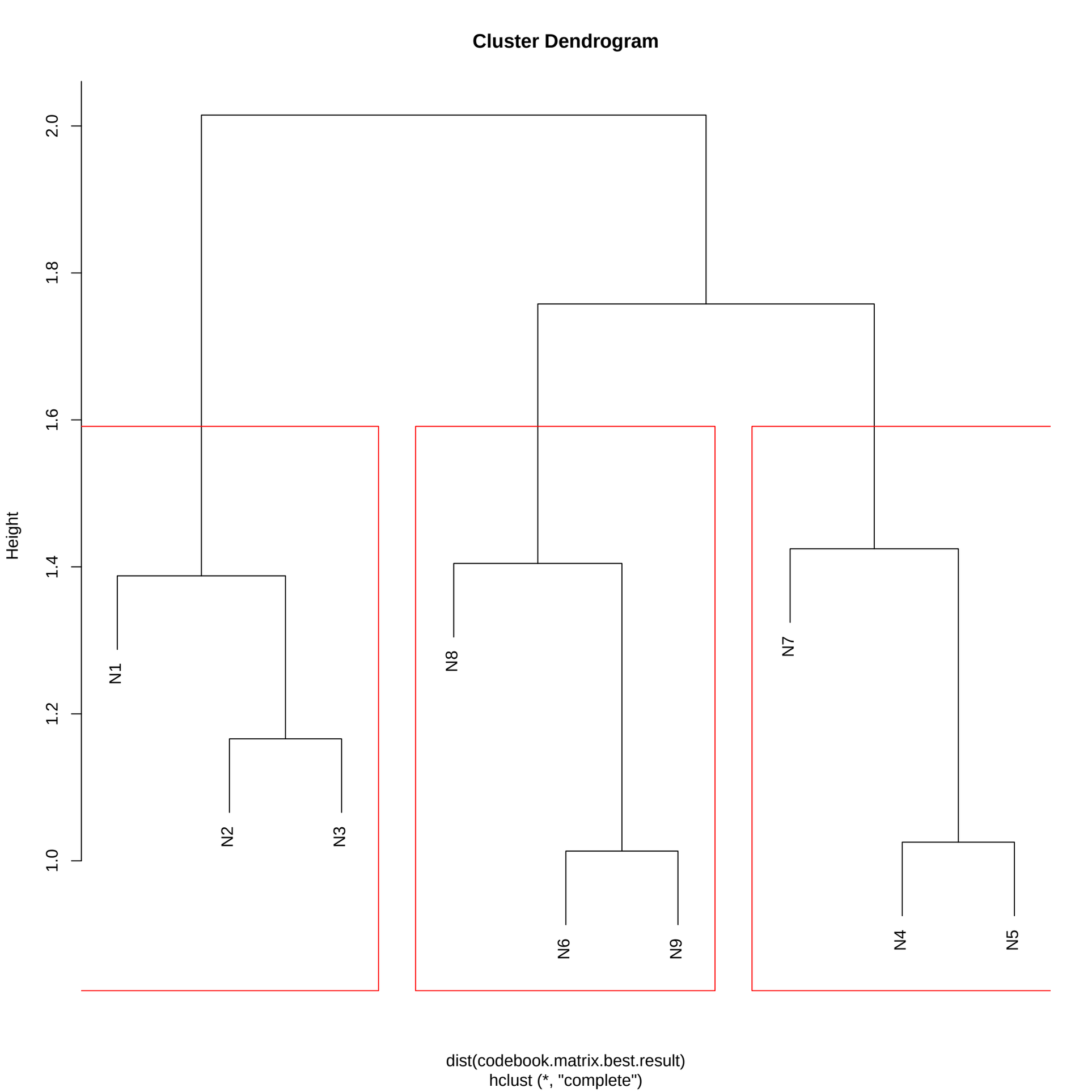

SOM − Counts (k = 3 )
20
15
10

**SOM − Clusters (k = 3 )**



| | neuron | Y.red | Y.green | Y.blue | Y.yellow | Y.white | Y.black | Y.orange |
|---|---|---|---|---|---|---|---|---|
| *1* | 1 | 18 | 13 | 0 | 20 | 0 | 9 | 2 |
| *2* | 2 | 17 | 11 | 0 | 6 | 14 | 17 | 1 |
| *3* | 3 | 12 | 17 | 0 | 1 | 14 | 0 | 3 |
| *4* | 4 | 4 | 1 | 6 | 6 | 0 | 2 | 0 |
| *5* | 5 | 6 | 0 | 9 | 9 | 9 | 2 | 1 |
| *6* | 6 | 11 | 0 | 0 | 1 | 11 | 0 | 0 |
| *7* | 7 | 12 | 14 | 14 | 13 | 14 | 3 | 7 |
| *8* | 8 | 0 | 2 | 13 | 0 | 14 | 1 | 4 |
| *9* | 9 | 22 | 3 | 22 | 0 | 22 | 1 | 0 |

Grid: bubble_rectangular | rlen: 1000 | radius: 3 | alpha1: 0.1 | alpha2: 0.005 | QE Teste: 0.489448111362705


Cluster Dendrogram
Height
2.0
1.8
1.6
1.4
1.2
1.0
N1
N2
N3
N8
N6
N9
N7
N4
N5
dist(codebook.matrix.best.result)
hclust (*, "complete")

| | cluster | Y.red | Y.green | Y.blue | Y.yellow | Y.white | Y.black | Y.orange |
|---|---|---|---|---|---|---|---|---|
| *1* | 1 | 47 | 41 | 0 | 27 | 28 | 26 | 6 |
| *2* | 2 | 22 | 15 | 29 | 28 | 23 | 7 | 8 |
| *3* | 3 | 33 | 5 | 35 | 1 | 47 | 2 | 4 |

| | cluster | combinacao | frequencia |
|---|---|---|---|
| *1* | 1 | 0100000 | 1 |
| *3* | 1 | 0100101 | 1 |
| *4* | 1 | 0101001 | 1 |
| *5* | 1 | 0101010 | 1 |
| *6* | 1 | 1000010 | 1 |
| *12* | 1 | 1100010 | 1 |
| *13* | 1 | 1100011 | 1 |
| *19* | 1 | 1101011 | 1 |
| *20* | 1 | 1101100 | 1 |
| *7* | 1 | 1000110 | 2 |
| *11* | 1 | 1100000 | 2 |
| *15* | 1 | 1100101 | 2 |
| *2* | 1 | 0100100 | 3 |
| *9* | 1 | 1001010 | 3 |
| *10* | 1 | 1001110 | 3 |
| *21* | 1 | 1101110 | 3 |
| *8* | 1 | 1001000 | 4 |
| *18* | 1 | 1101010 | 4 |
| *16* | 1 | 1100110 | 6 |
| *17* | 1 | 1101000 | 6 |
| *14* | 1 | 1100100 | 7 |

| | cluster | combinacao | frequencia |
|---|---|---|---|
| *1* | 2 | 0011010 | 1 |
| *3* | 2 | 0011110 | 1 |
| *4* | 2 | 0111010 | 1 |
| *8* | 2 | 1011101 | 1 |
| *9* | 2 | 1011110 | 1 |
| *10* | 2 | 1110101 | 1 |
| *14* | 2 | 1111111 | 1 |
| *2* | 2 | 0011100 | 2 |
| *5* | 2 | 0111100 | 2 |
| *13* | 2 | 1111110 | 2 |
| *11* | 2 | 1111100 | 3 |
| *6* | 2 | 1011000 | 4 |
| *7* | 2 | 1011100 | 4 |
| *12* | 2 | 1111101 | 5 |

| | cluster | combinacao | frequencia |
|---|---|---|---|
| *1* | 3 | 0000101 | 1 |
| *4* | 3 | 0010110 | 1 |
| *5* | 3 | 0110100 | 1 |
| *6* | 3 | 0110101 | 1 |
| *8* | 3 | 1001100 | 1 |
| *10* | 3 | 1010110 | 1 |
| *3* | 3 | 0010101 | 2 |
| *11* | 3 | 1110100 | 3 |
| *2* | 3 | 0010100 | 8 |
| *7* | 3 | 1000100 | 10 |
| *9* | 3 | 1010100 | 18 |