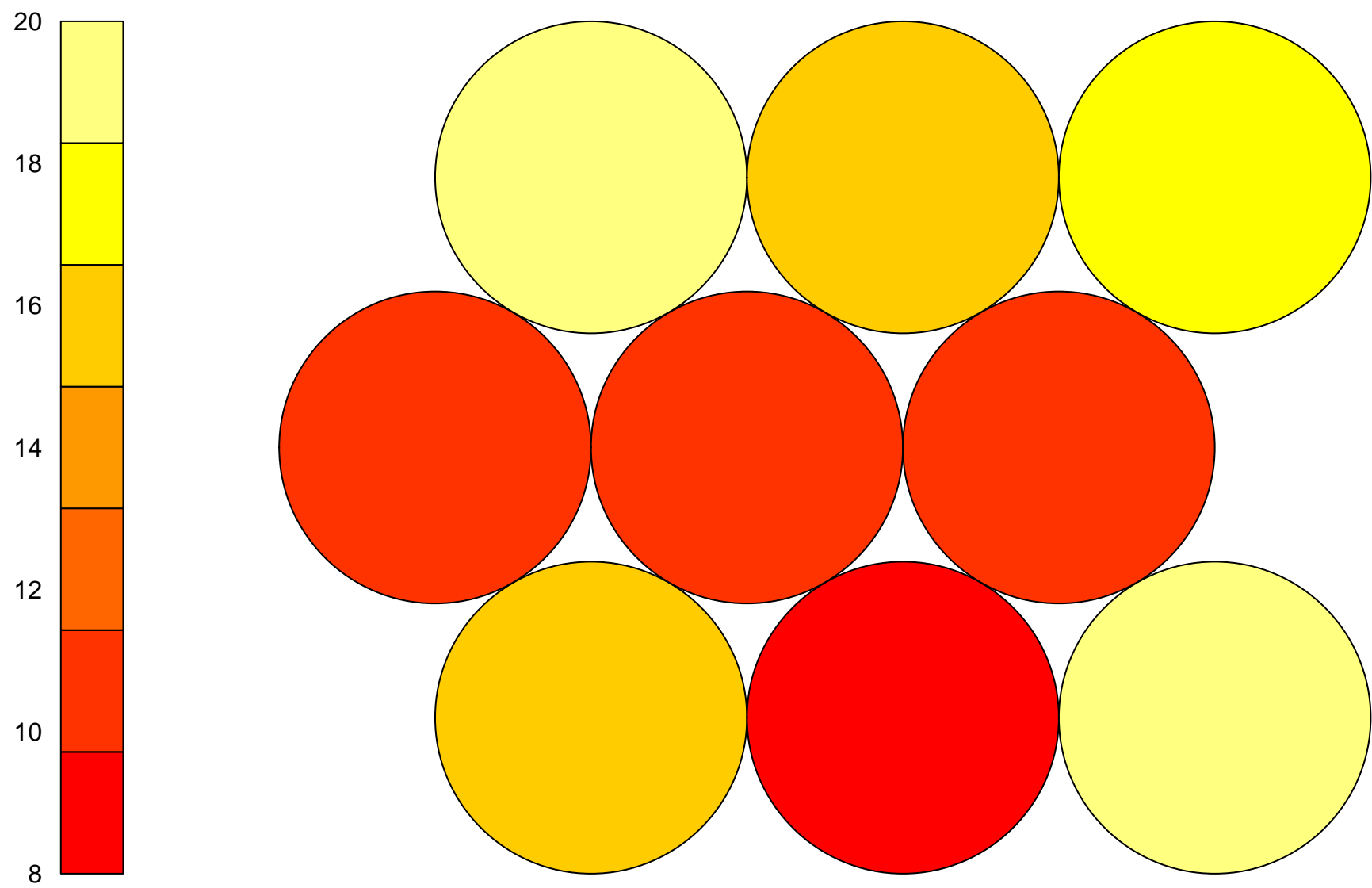
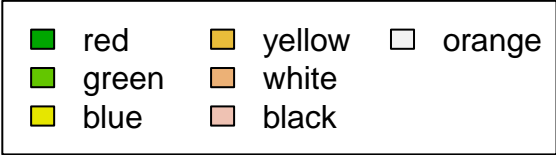
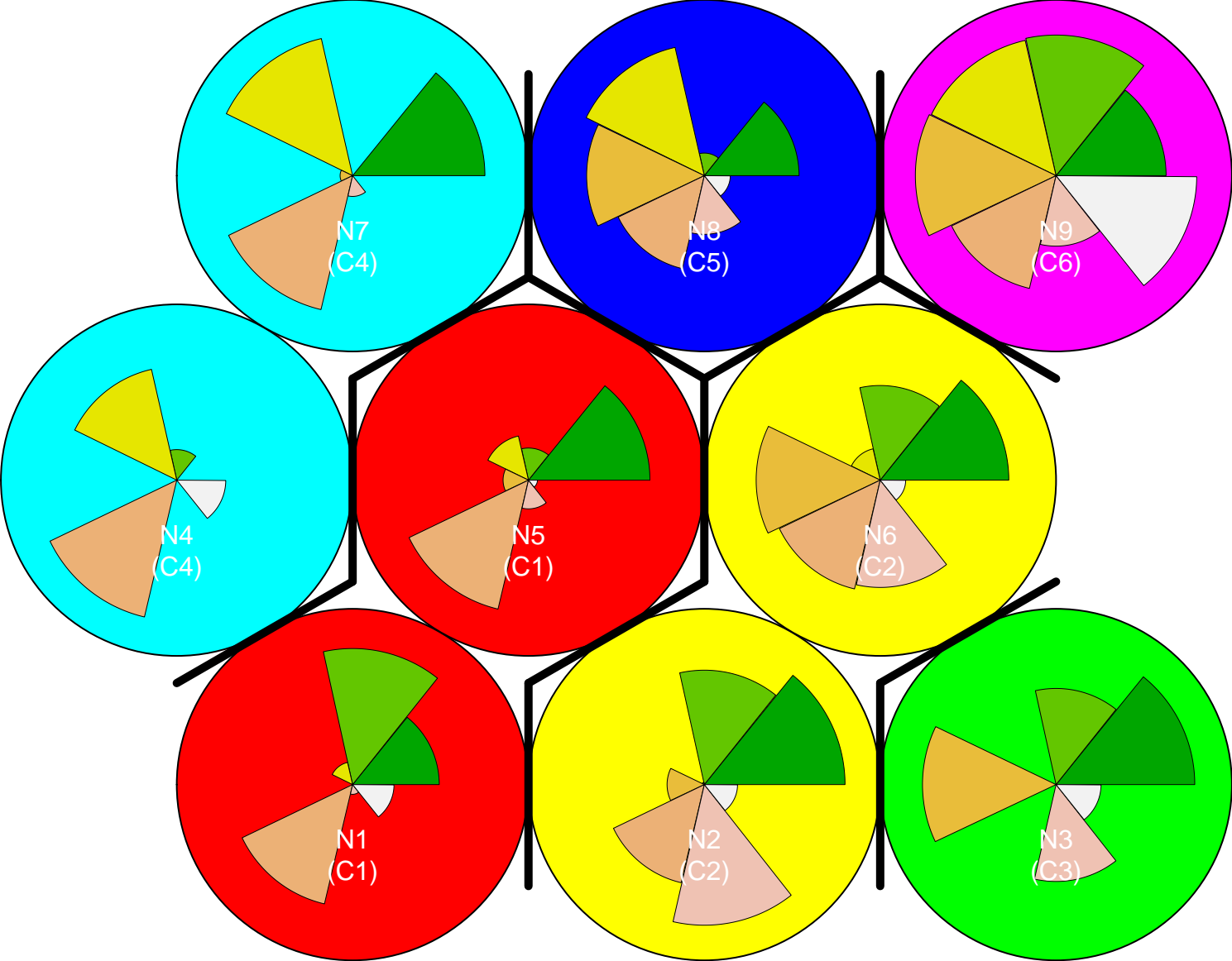


SOM – Counts (k = 6 )



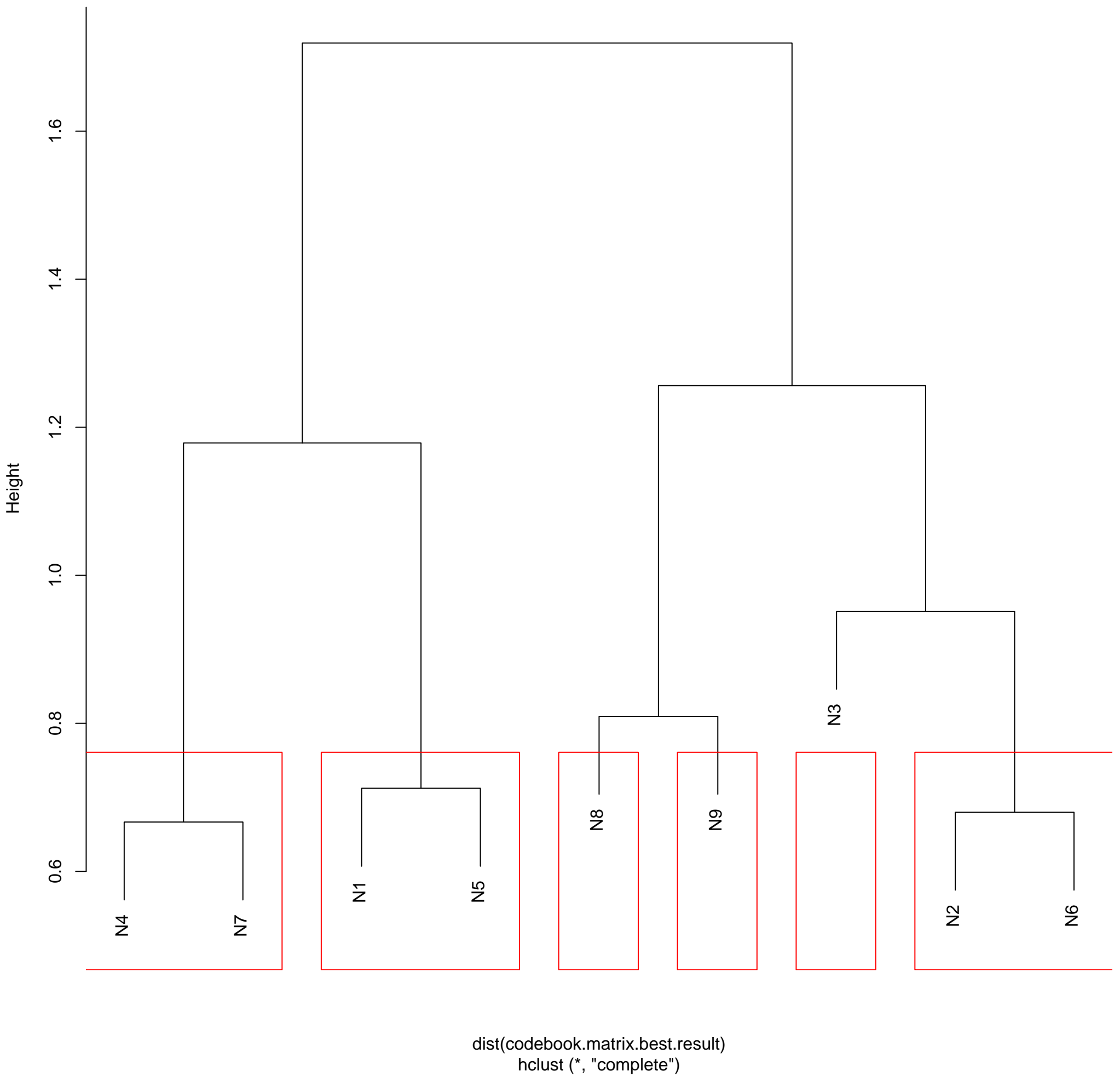
SOM – Clusters (k = 6 )



|   | neuron | Y.red | Y.green | Y.blue | Y.yellow | Y.white | Y.black | Y.orange |
|---|--------|-------|---------|--------|----------|---------|---------|----------|
| 1 | 1      | 11    | 15      | 2      | 0        | 13      | 0       | 2        |
| 2 | 2      | 8     | 6       | 0      | 0        | 7       | 8       | 1        |
| 3 | 3      | 18    | 13      | 0      | 20       | 0       | 8       | 3        |
| 4 | 4      | 0     | 1       | 10     | 0        | 11      | 0       | 2        |
| 5 | 5      | 10    | 0       | 0      | 0        | 10      | 0       | 0        |
| 6 | 6      | 10    | 7       | 0      | 11       | 11      | 7       | 0        |
| 7 | 7      | 20    | 0       | 20     | 0        | 20      | 2       | 0        |
| 8 | 8      | 10    | 0       | 16     | 16       | 9       | 5       | 1        |
| 9 | 9      | 14    | 18      | 18     | 18       | 15      | 5       | 7        |

Grid: gaussian\_hexagonal | rlen: 1500 | radius: 7 | alpha1: 0.5 | alpha2: 0.005 | QE Teste: 0.559364052617391

Cluster Dendrogram



|   | cluster | Y.red | Y.green | Y.blue | Y.yellow | Y.white | Y.black | Y.orange |
|---|---------|-------|---------|--------|----------|---------|---------|----------|
| 1 | 1       | 21    | 15      | 2      | 0        | 23      | 0       | 2        |
| 2 | 2       | 18    | 13      | 0      | 11       | 18      | 15      | 1        |
| 3 | 3       | 18    | 13      | 0      | 20       | 0       | 8       | 3        |
| 4 | 4       | 20    | 1       | 30     | 0        | 31      | 2       | 2        |
| 5 | 5       | 10    | 0       | 16     | 16       | 9       | 5       | 1        |
| 6 | 6       | 14    | 18      | 18     | 18       | 15      | 5       | 7        |

|   | cluster | combinacao | frequencia |
|---|---------|------------|------------|
| 2 | 1       | 0100101    | 1          |
| 6 | 1       | 1100101    | 1          |
| 4 | 1       | 1100000    | 2          |
| 7 | 1       | 1110100    | 2          |
| 1 | 1       | 0100100    | 3          |
| 5 | 1       | 1100100    | 6          |
| 3 | 1       | 1000100    | 10         |

|   | cluster | combinacao | frequencia |
|---|---------|------------|------------|
| 1 | 2       | 0101100    | 1          |
| 2 | 2       | 1000110    | 1          |
| 3 | 2       | 1000111    | 1          |
| 4 | 2       | 1001100    | 1          |
| 6 | 2       | 1100010    | 1          |
| 8 | 2       | 1101100    | 2          |
| 5 | 2       | 1001110    | 3          |
| 9 | 2       | 1101110    | 4          |
| 7 | 2       | 1100110    | 5          |

|   | cluster | combinacao | frequencia |
|---|---------|------------|------------|
| 1 | 3       | 0101000    | 1          |
| 2 | 3       | 0101001    | 1          |
| 6 | 3       | 1101001    | 1          |
| 8 | 3       | 1101011    | 1          |
| 3 | 3       | 1001000    | 3          |
| 7 | 3       | 1101010    | 3          |
| 4 | 3       | 1001010    | 4          |
| 5 | 3       | 1101000    | 6          |



|   | cluster | combinacao | frequencia |
|---|---------|------------|------------|
| 1 | 4       | 0000101    | 1          |
| 3 | 4       | 0010101    | 1          |
| 4 | 4       | 0110100    | 1          |
| 6 | 4       | 1010110    | 2          |
| 2 | 4       | 0010100    | 8          |
| 5 | 4       | 1010100    | 18         |

|   | cluster | combinacao | frequencia |
|---|---------|------------|------------|
| 1 | 5       | 0011000    | 1          |
| 4 | 5       | 0011110    | 1          |
| 7 | 5       | 1011110    | 1          |
| 8 | 5       | 1011111    | 1          |
| 2 | 5       | 0011010    | 2          |
| 3 | 5       | 0011100    | 2          |
| 5 | 5       | 1011000    | 4          |
| 6 | 5       | 1011100    | 4          |

|   | cluster | combinacao | frequencia |
|---|---------|------------|------------|
| 1 | 6       | 0111000    | 1          |
| 2 | 6       | 0111010    | 1          |
| 4 | 6       | 1111000    | 1          |
| 8 | 6       | 1111111    | 1          |
| 3 | 6       | 0111100    | 2          |
| 5 | 6       | 1111100    | 3          |
| 7 | 6       | 1111110    | 3          |
| 6 | 6       | 1111101    | 6          |