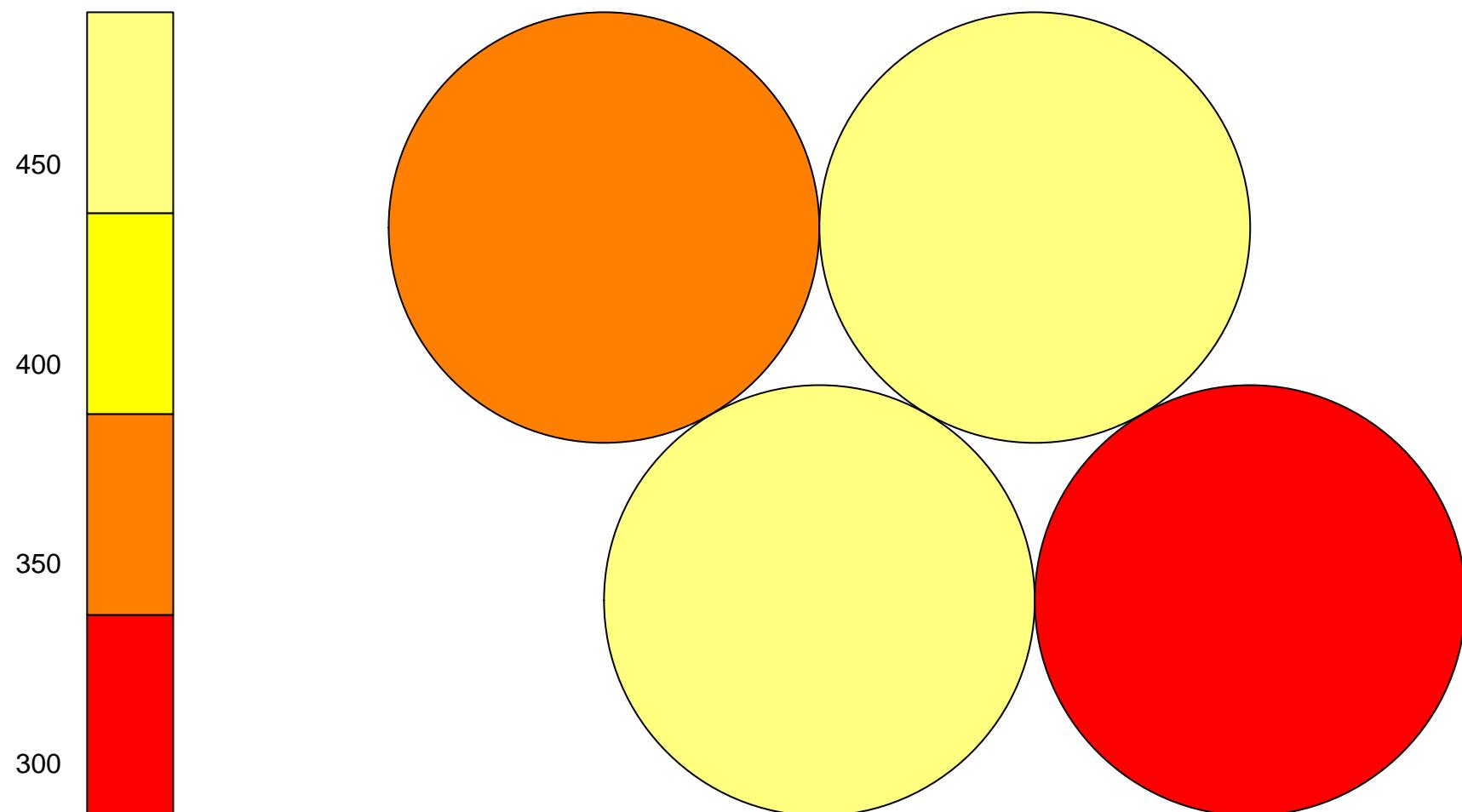
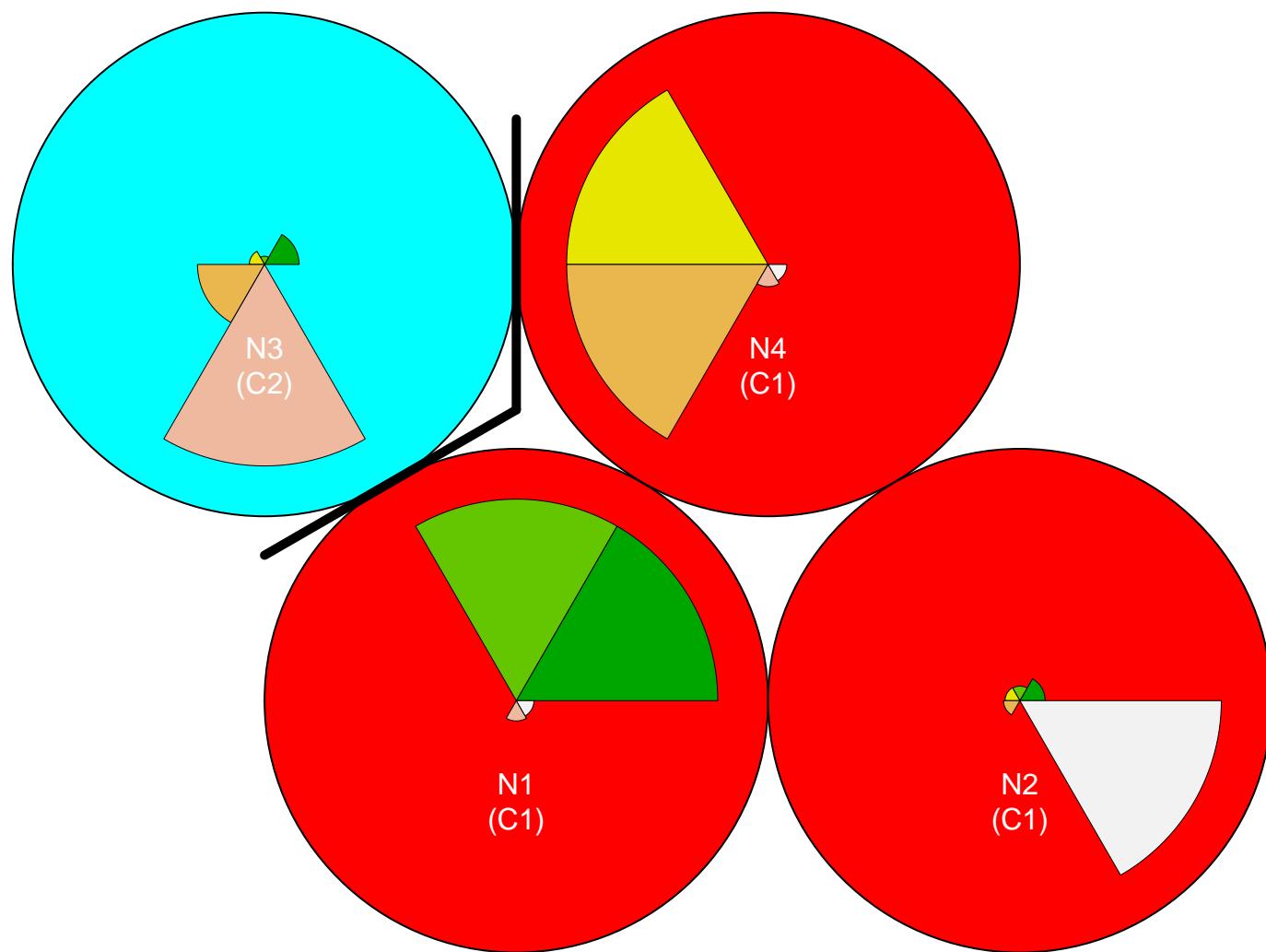


**SOM – Counts (k = 2 )**



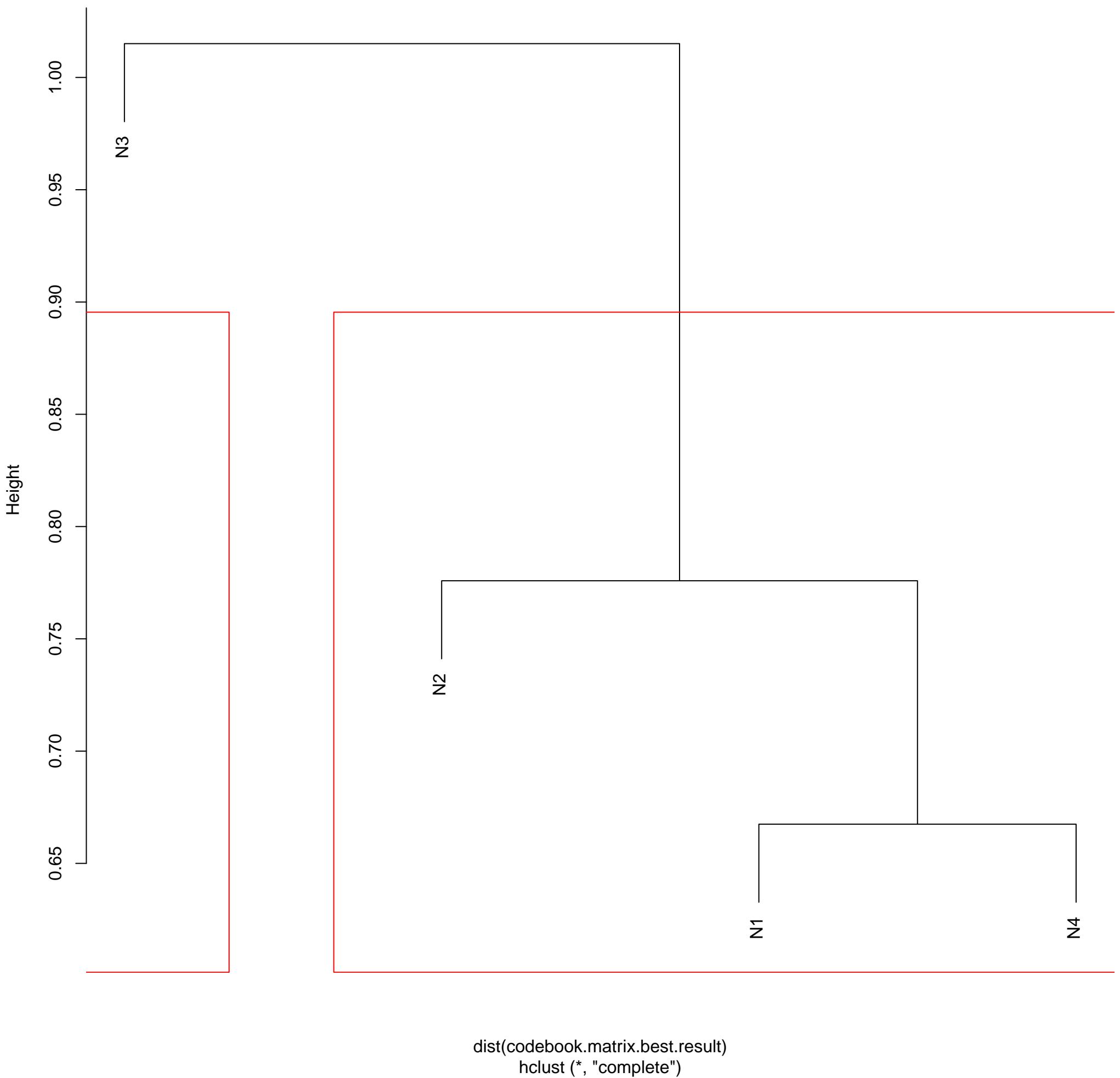
## SOM – Clusters (k = 2 )



| <b>neuron</b> | <b>Y.Beach</b> | <b>Y.Sunset</b> | <b>Y.FallFoliage</b> | <b>Y.Field</b> | <b>Y.Mountain</b> | <b>Y.Urban</b> |
|---------------|----------------|-----------------|----------------------|----------------|-------------------|----------------|
| 1             | 1              | 246             | 242                  | 0              | 0                 | 0              |
| 2             | 2              | 13              | 0                    | 0              | 4                 | 287            |
| 3             | 3              | 26              | 0                    | 8              | 50                | 354            |
| 4             | 4              | 1               | 0                    | 256            | 235               | 1              |

Grid: gaussian\_hexagonal | rlen: 500 | radius: 7 | alpha1: 0.5 | alpha2: 0.001 | QE Teste: 0.422215743953442

### Cluster Dendrogram



| <b>cluster</b> | <b>Y.Beach</b> | <b>Y.Sunset</b> | <b>Y.FallFoliage</b> | <b>Y.Field</b> | <b>Y.Mountain</b> | <b>Y.Urban</b> |
|----------------|----------------|-----------------|----------------------|----------------|-------------------|----------------|
| 1              | 1              | 260             | 242                  | 256            | 239               | 1              |
| 2              | 2              | 26              | 0                    | 8              | 50                | 354            |

|    | <b>cluster</b> | <b>combinacao</b> | <b>frequencia</b> |
|----|----------------|-------------------|-------------------|
| 6  | 1              | 001110            | 1                 |
| 10 | 1              | 100100            | 1                 |
| 3  | 1              | 000101            | 4                 |
| 9  | 1              | 100001            | 13                |
| 5  | 1              | 001100            | 15                |
| 2  | 1              | 000100            | 218               |
| 4  | 1              | 001000            | 240               |
| 7  | 1              | 010000            | 242               |
| 8  | 1              | 100000            | 246               |
| 1  | 1              | 000001            | 270               |

| <b>cluster</b> | <b>combinacao</b> | <b>frequencia</b> |     |
|----------------|-------------------|-------------------|-----|
| 3              | 2                 | 001010            | 8   |
| 4              | 2                 | 100010            | 26  |
| 2              | 2                 | 000110            | 50  |
| 1              | 2                 | 000010            | 270 |