$$I_{1} = \underbrace{\left\{(-0.5, 1.5\right)}_{1} \underbrace{(15, -1.5)}_{12} We asse given two imaged$$

$$I_{2} = \underbrace{\left\{(-0.5, 1.5\right)}_{12} \underbrace{(15, -1.5)}_{11} and I_{2}. The imaged are represented using two imaged are represented aread$$

Nocabulary tree represents a hierarchical clustering of the descriptors. The cluster centers have the Same dimension as the descriptors. Gruen à déscriptor how de yeu parse the tree. Let d = (a, b) and  $d_2 = (c, d)$ The Similarity between d, and dz can be computed using the angle between the vectors  $Cos Q = d_{1} d_{2}$ If d, and de the same = ac + bd



If you see the same vector as a cluster center then it-has the maximum Simlarity.