K-Means Algorithm

Input:

$D = \{t_1, t_2, ..., t_n\}$ // **Set of elements**

~~A // Adjacency matrix showing distance between elements.~~

k // **Number of desired clusters.**

Output:

K // **Set of clusters.**

K-Means Algorithm:

assign initial values for means $m_1, m_2, ..., m_k$ **;**

repeat

assign each item t_i **to the cluster which has the closest mean ;**

calculate new mean for each cluster;

until convergence criteria is met;