```
Input: undirected G(V, E), int k, int τ
1. int numEdgesCrossing = INF;
2. while (numEdgesCrossing > τ)
3.     int[] clusterCenters = pickKRandomClusterCenters(G)
4.     assignEachVertexToClosestClusterCenter(G, clusterCenters)
5.     numEdgesCrossing = countNumEdgesCrossingClusters(G)
```