Session 7: CHAMELEON: Graph Partitioning on the KNN Graph of the Data

Question

❑ Map the following statements to the hierarchical clustering algorithm to which they pertain (Choices are BIRCH, CURE, CHAMELEON)

   ❑ Once a *k-nearest-neighbor* graph is constructed, it is partitioned into small *graphlets*, which are then merged back together to create clusters.

   ❑ Objects are first partitioned hierarchically using a tree structure into *microclusters*, which are then clustered into *macroclusters* via other clustering algorithms.

   ❑ Clusters are represented by a set of well-scattered representative points.

❑ Answer: CHAMELEON, BIRCH, CURE in this order. See definitions for each algorithm.