Data Mining

Clustering I – K-Means Algorithm (Part B)

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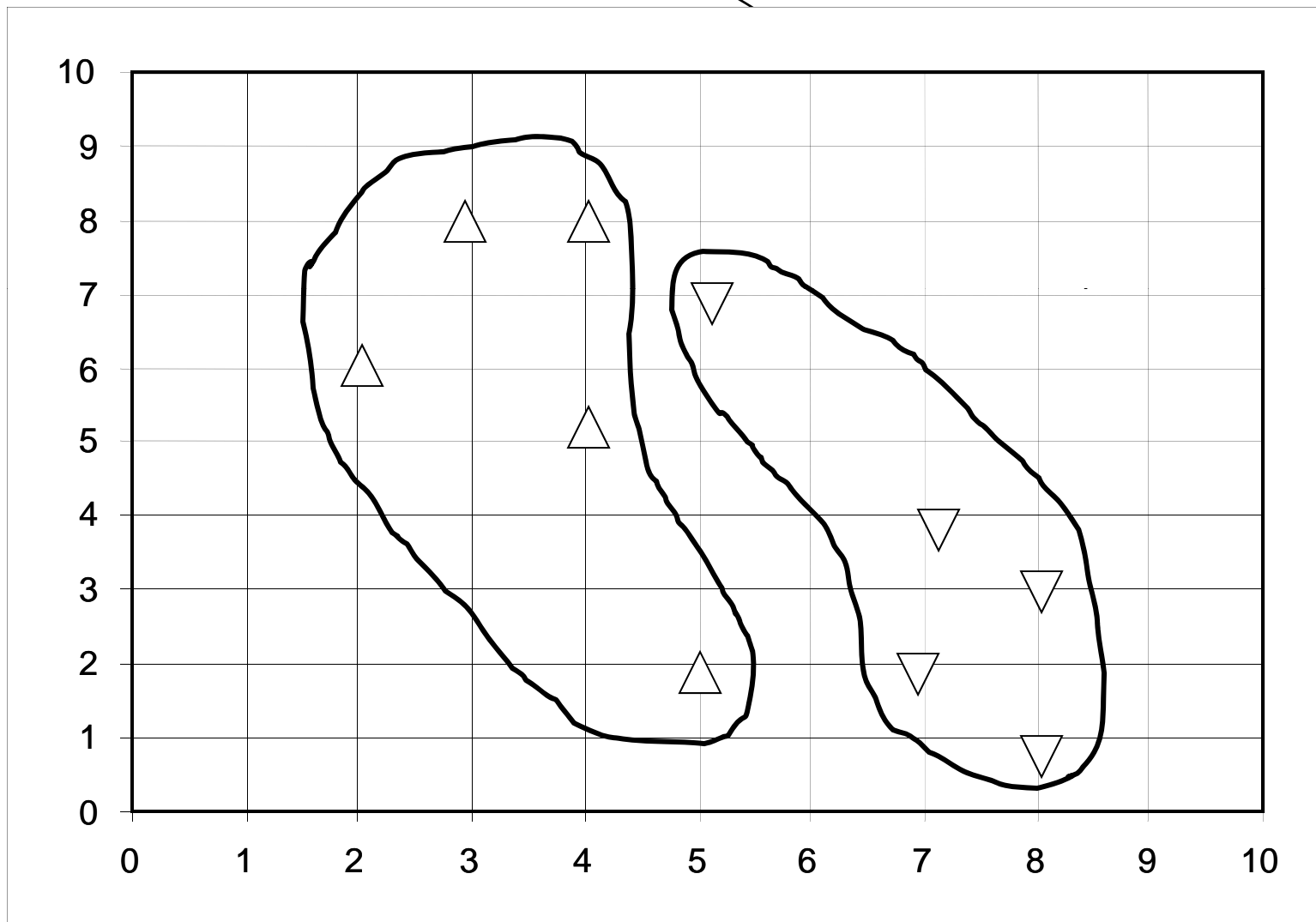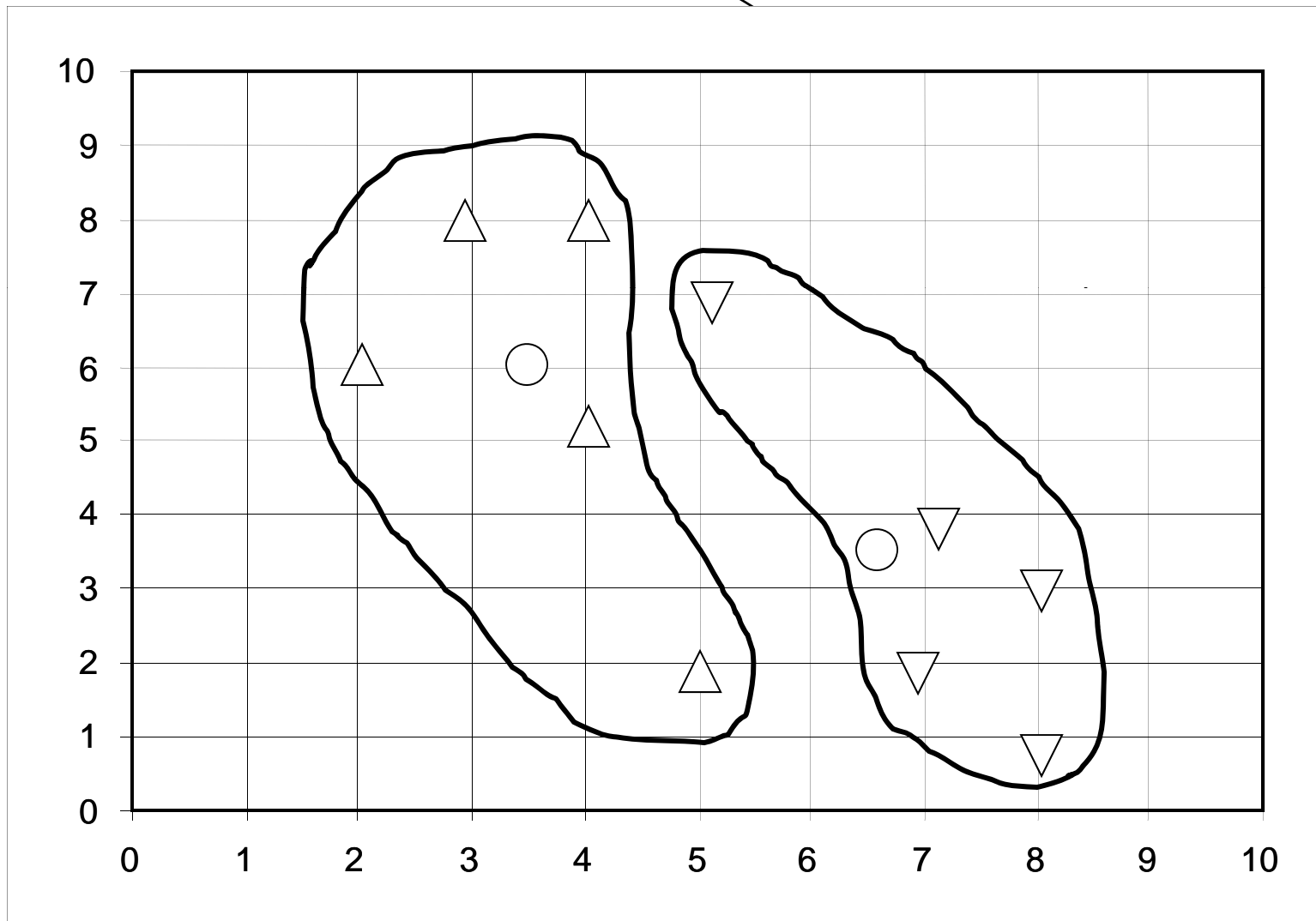**New Jersey Institute of Technology**

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The K-Means Algorithm
(a partitioning clustering method)

1. Partition objects into k nonempty subsets (clusters).

2. Compute the center for each cluster.

3. Assign each object to the cluster with the nearest center.

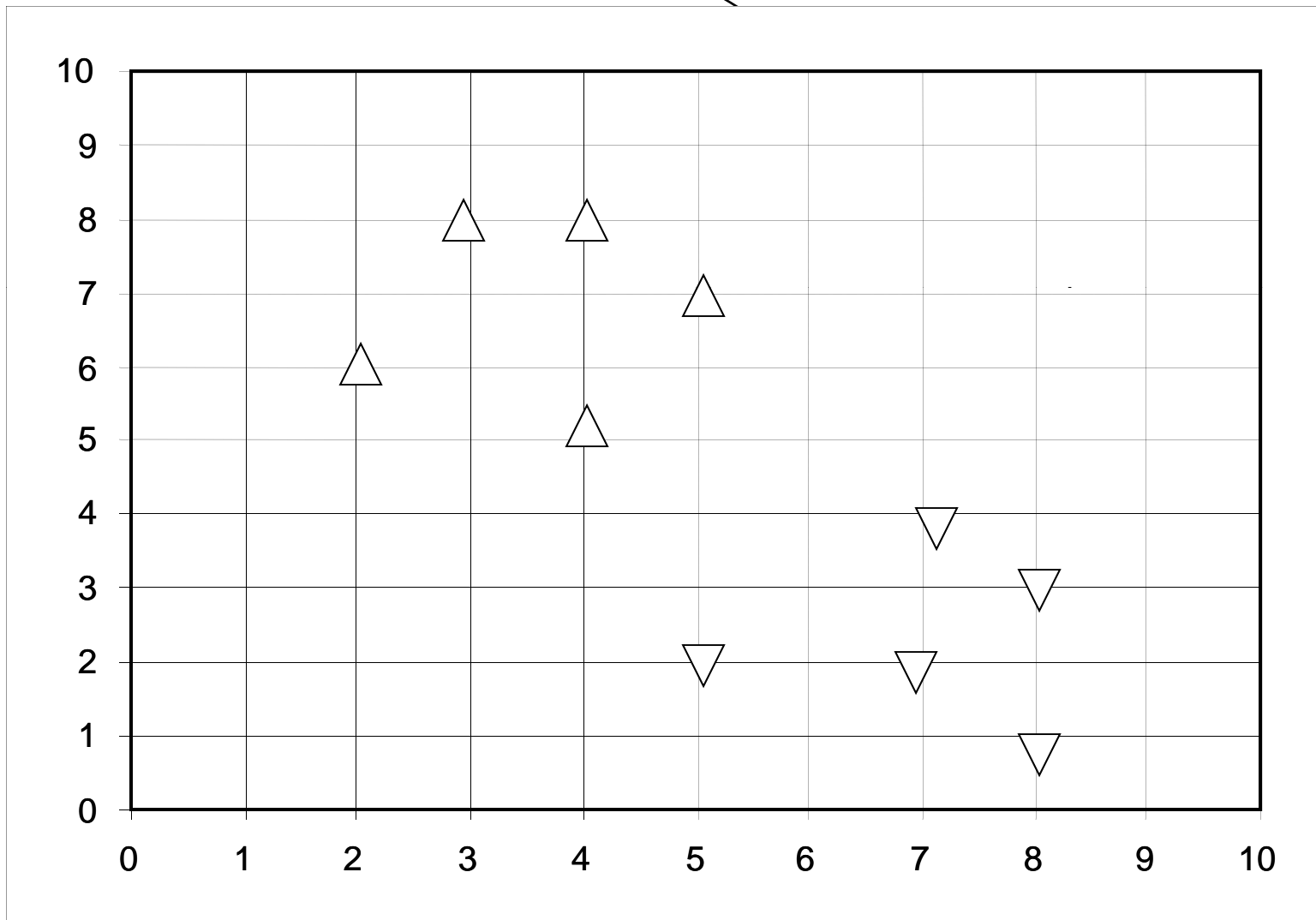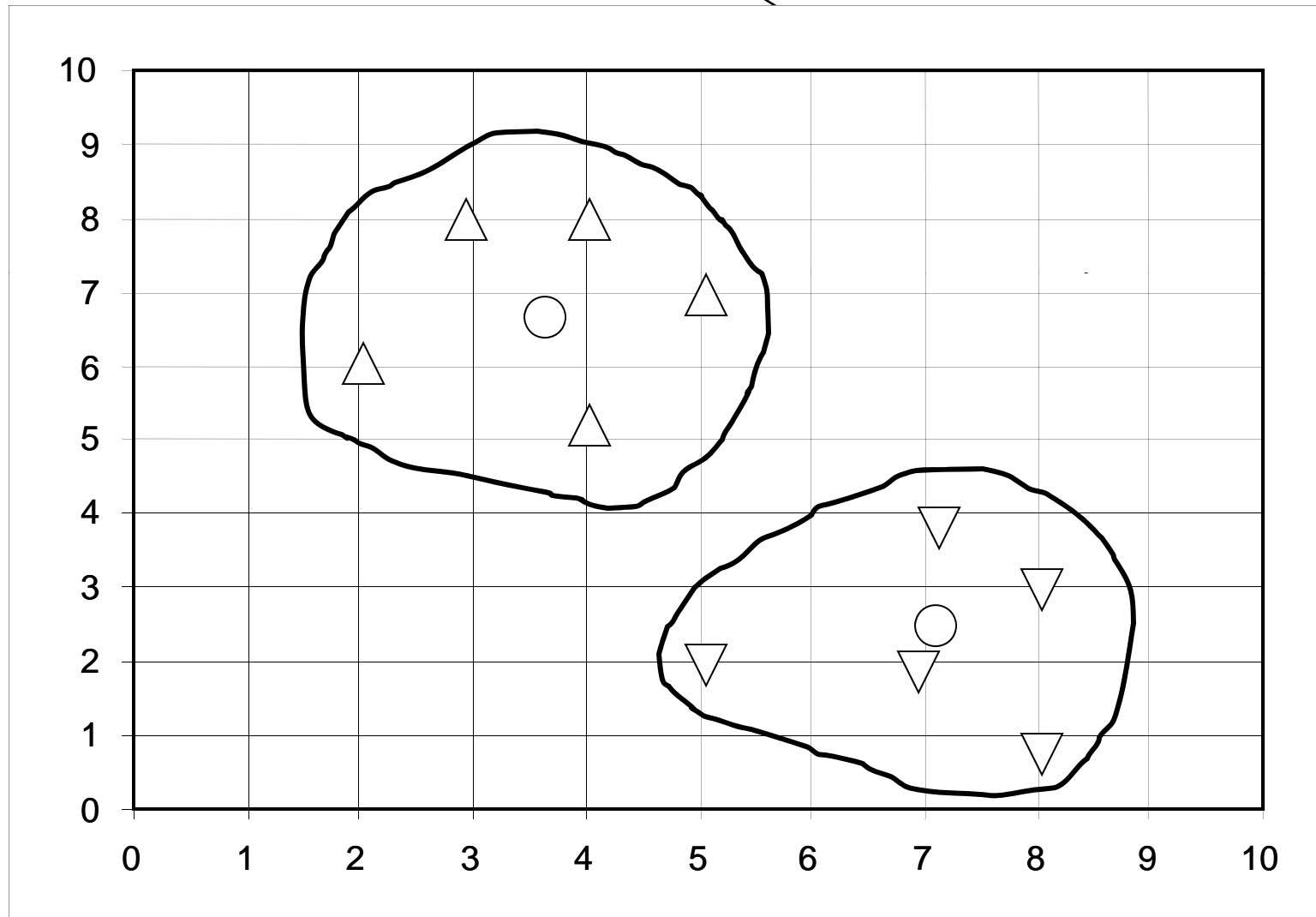4. Go back to step 2; terminate when there is no new assignment.

K-Means Clustering

K-Means Clustering

K-Means Clustering

K-Means Clustering

End of

K-Means Clustering Algorithm Module (Part B)