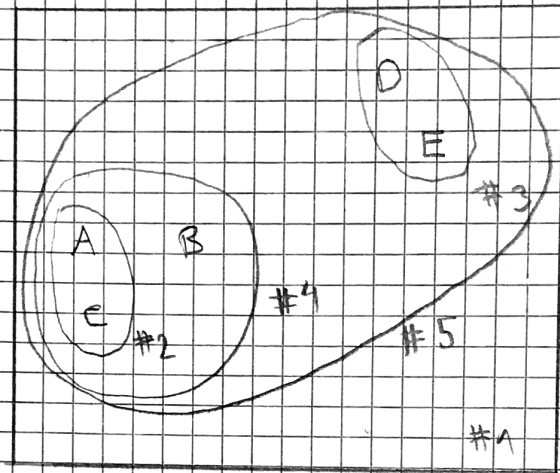


Question Draw Cluster:

Assign clusters to the given Dataset with the hierarchical, agglomerative approach and describe all your steps.
(Bonus) Draw the Dendrogram and suggest where to split.



Algorithm: Step 1: Make each data point a single-point cluster

↳ Result = That forms 5 clusters

Step 2: Take the two closest datapoints and make them one cluster \Rightarrow That forms $N-1$ ($N=5$)

Step 3: Take the two closest clusters and make them one cluster \Rightarrow That forms $N-2$

Step 4: Repeat Step 3 until there is only one cluster!

Dendrogram:

