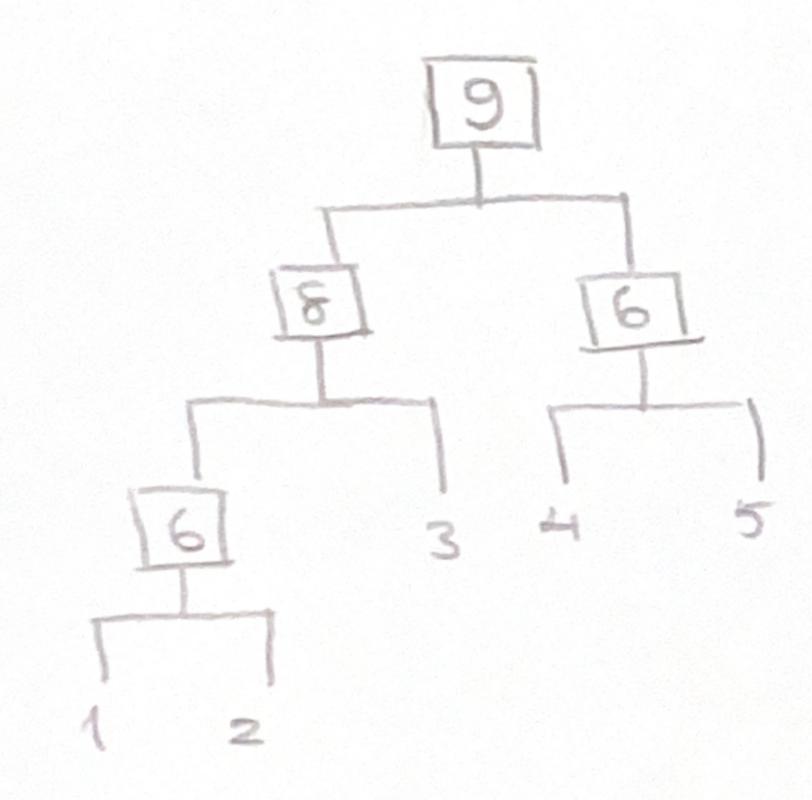
Unsupervised Learning Hierarchical Qustering

Agglomerative (bottom up): Build the dendrogram (tree) from bottom level, merge most similar poir of clusters. Stop when all data points are merged into a single cluster.

Cluster Split it into enild clusters Divide them recursivery. Stop when each cluster is only one data point.



Algorithm (ADglomerative) (0)

Make each data point D a cluster. Compute all pairwise distances x11,2--,x1

Find two clusters that are nearest
Merge them to new cluster c
Compute distance from a to all other clusters

There's only one cluster