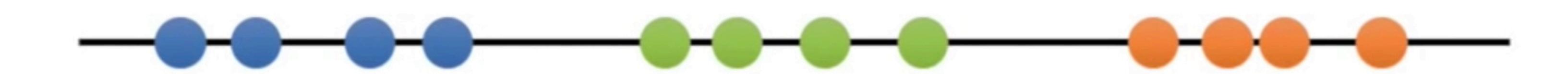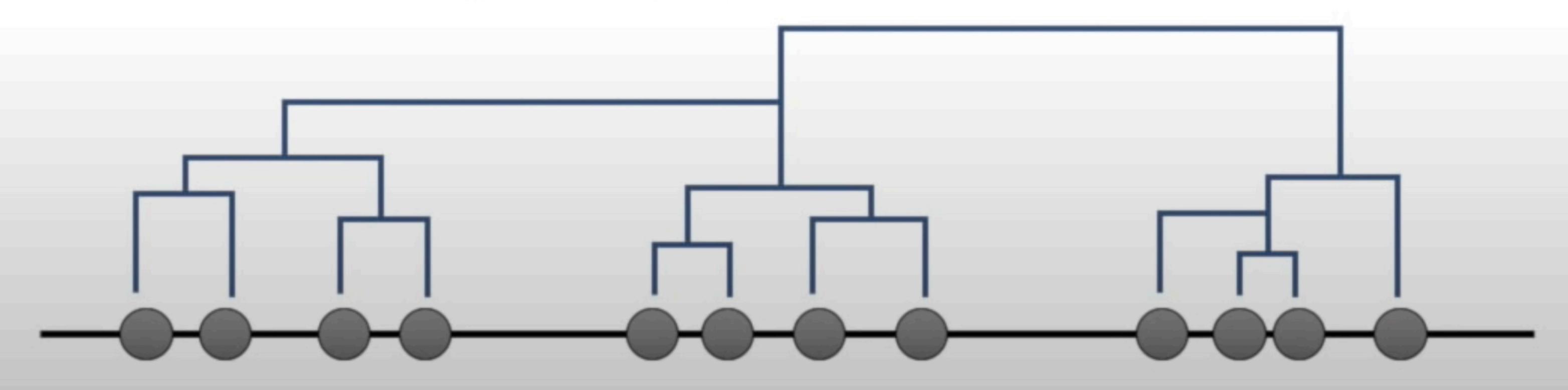Question: How is K-means clustering different from hierarchical clustering?

K-means clustering specifically tries to put the data into the number of clusters you tell it to.

Hierarchical clustering just tells you, pairwise, what two things are most similar.