COT 4521: Intro. to Computational Geometry (Fall 2020)

Worksheet 15

Ground Rules

This assignment is intended to be solved within your group. However, you must submit your own answers. For all questions we expect you to show yours work!

Submission

Upload your answers and associated work to canvas as a single scanned, typed, or photographed PDF document. Be sure that your submission is legible.

Assignment

- For the following point set, perform:

    - k-means clustering ($k = 3$, you pick initial centers randomly; iterate until convergence)
    - hierarchical clustering (including the resulting tree)

- Show the algorithms using as many copies of the following page as needed. Be sure to show all of the steps and the order of steps for the algorithm. Your answer doesn't need to be exactly correct, but be as precise as reasonably possible.