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

Worksheet 12

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 Instructions

For the following point set, find the Voronoi diagram using the divide-and-conquer method. Show the algorithm using the following pages. Be sure to show all of the steps and the order of steps for the algorithm (i.e., all of the intersections).

- Use each steps to determine the best/average/worst case big-O performance for a single iteration.
- Combine that information to determine the best/average/worst case big-O for the entire computation.