2494 – COMPUTATIONAL THINKING & DATA SCIENCE

2019-20, Spring Semester

In-class Exercises

OPTIMIZATION PROBLEMS

1. Implement all the three greedy algorithms discussed* in today's class and analyze their solution for Alice's Problem.

   * (1) greedy-by-weight; (2) greedy-by-value; (3) greedy-by-density.

2. Implement the brute force algorithm for Alice's Problem and compare its solution with the solutions found by the greedy algorithms.