CS577 Assignment 4

Due on Tuesday 7/3

1. Chapter 4, Question 18 (pages 197-198). Note that you should write out the algorithm, prove its optimality, and analyze the complexity of the algorithm. (Hint: the algorithm could be a modification of the Dijkstra algorithm)

2. Chapter 4 Question 21 in the book (page 200). Note that you should write out the algorithm, prove its optimality, and analyze the complexity of the algorithm.

3. Chapter 4 Question 10 in the book (pages 192-193).