

CSC 464/564 Homework #9

Instructor: Jeff Ward

Assigned: Wednesday, October 31, 2018

Due: 11:59pm, Wednesday, November 28

Covers: Linear programming (Sections 7.1, 7.2, 7.7)

Worth 25 points

Each problem is worth 5 points.

Do the following exercises from Chapter 7:

7.1

7.2

7.3

Problem 4: Express the flow network problem in Figure 7.4(a) as a linear program.

Problem 5: Review the figure in Section 7.7 that shows a specific circuit evaluation problem (also shown on slides 33-34 of the Ch7.ppt notes). Express this problem instance as a linear program.

*Note: Problems similar to Exercises 7.1, 7.2, and 7.3 may be contained in Midterm 2 on Wednesday, November 14. Therefore, it may be a good idea to try those problems before that exam. If you complete and submit this assignment before 10am Tuesday, November 13, then I will grade it that afternoon (November 13).*