18.310A Homework 4

Due Fri March 20th at 10AM in lecture

Instructions: Collaboration on homework is permitted, but you must write the solutions yourself; no copying is allowed. Please list the names of your collaborators; if you worked alone, state this. Also indicate any sources you consulted beyond the lecture notes.

1. Problem 1-6 of the notes on linear programming (page 28).

2. Problem 1-8 of the notes on linear programming (page 29).

3. Problem 2-1 of the notes on linear programming (page 29).

4. Write the dual of the linear program in Problem 2-1, and obtain an optimal solution to it.

5. Problem 2-6 (page 30).

6. Problem 4-6 (page 31).