CS 170: Problem Set 11
Due: November 14, 2011, 12:00 noon

Instructions: Turn this in to the class homework boxes in 283 Soda by 12:00 noon on Monday, November 14, 2011. Please begin your answer to each question on a new sheet of paper and make sure each sheet is labeled with your name, SID, section number, GSI name, the assignment number, the question number, and “CS 170 – Fall 2011.”

Because each problem will be graded by a different reader, please turn in each question in a different box in 283 Soda. Question i goes in the box labeled “CS 170 — i.”

Please read the class webpage for rules regarding collaboration (encouraged!) and cheating (forbidden!) on homework.

DPV = Dasgupta, Papadimitriou, and Vazirani.

Formulating Linear Programs

1. DPV 7.4
   \textit{Grading:} 10 points (6 for formulating the LP, 4 for solving it geometrically).

2. DPV 7.8
   \textit{Grading:} 10 points.

Network Flows

3. DPV 7.10
   \textit{Grading:} 20 points.

4. DPV 7.18
   \textit{Grading:} 20 points (5 for each part).

5. DPV 7.21
   \textit{Grading:} 10 points.

6. DPV 7.31
   \textit{Grading:} 30 points (5 for (a), 5 for (b), 10 for (c), and 10 for (d)).