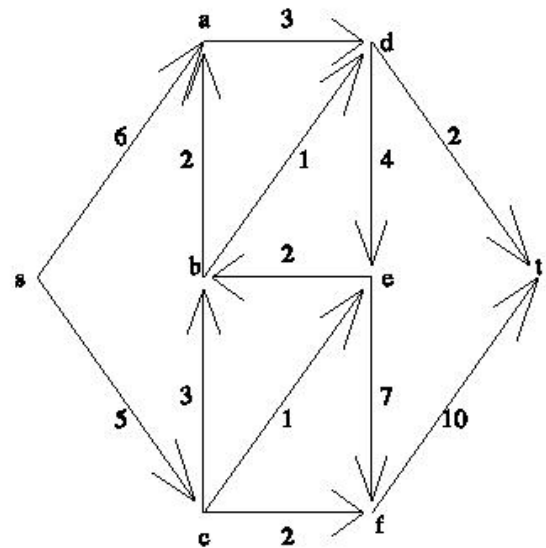
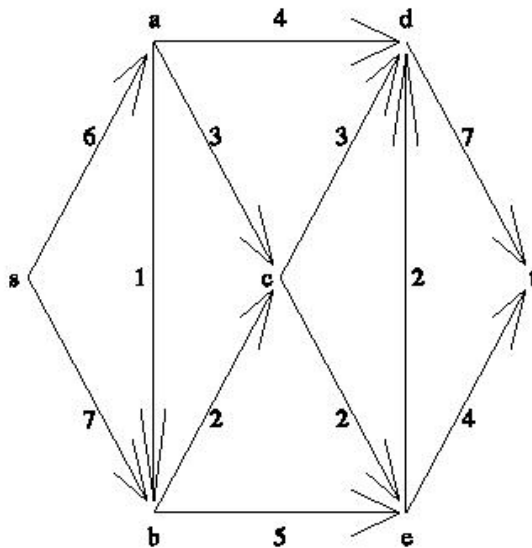


Math 7502

Homework 8

Due: March 13, 2008

- * Find a maximum flow and a minimum cut for the following networks. Explain the steps you take. Explain why the flow and the cut you found are optimal.



- (Hard) Show that any basic feasible solution to the dual of the maximal flow problem corresponds to a certain cut with the dual objective value equal to the capacity of the cut. Explain why this gives another (not easier) proof of the maximal flow–minimal cut theorem.