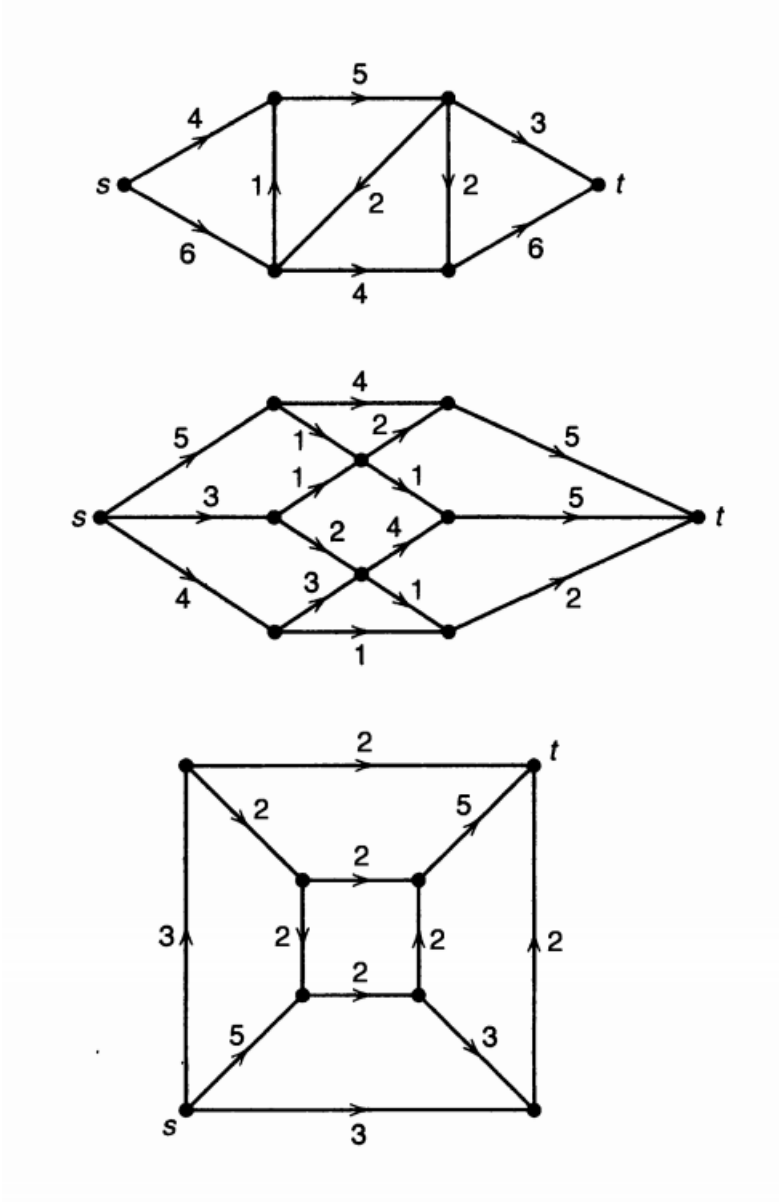
Math 556 Homework 8

Jacob Lambert

Chapter 13: 24 Determine a maximum flow and a minimum cut in each of the networks $N = (V, A, s, t, c)$ in the figure below. (The numbers near arcs are their capacities.)



Chapter 13: 25 Determine the maximum number of pairwise arc-disjoint paths from s to t in the digraphs of the networks in Exercise 24. Verify that the number is maximum by exhibiting an st-separating set with the same number of arcs (d. Theorem 13.2.4).