600.363/463 Algorithms
Assignment 8
Due November 25, 2013

I. Problems 24.3-6, 24.3-7 (page 663), and problem 25.2-7 (page 700).

II. Recall that in the Ford-Fulkerson algorithm, the residual capacity of a path, $c_f(p)$, is defined as the minimum of the capacities of the edges on the path (page 719). Design an efficient algorithm for computing the maximum value of $c_f(p)$, maximized over all the s to t paths in the residual network. What is the speed of the algorithm?