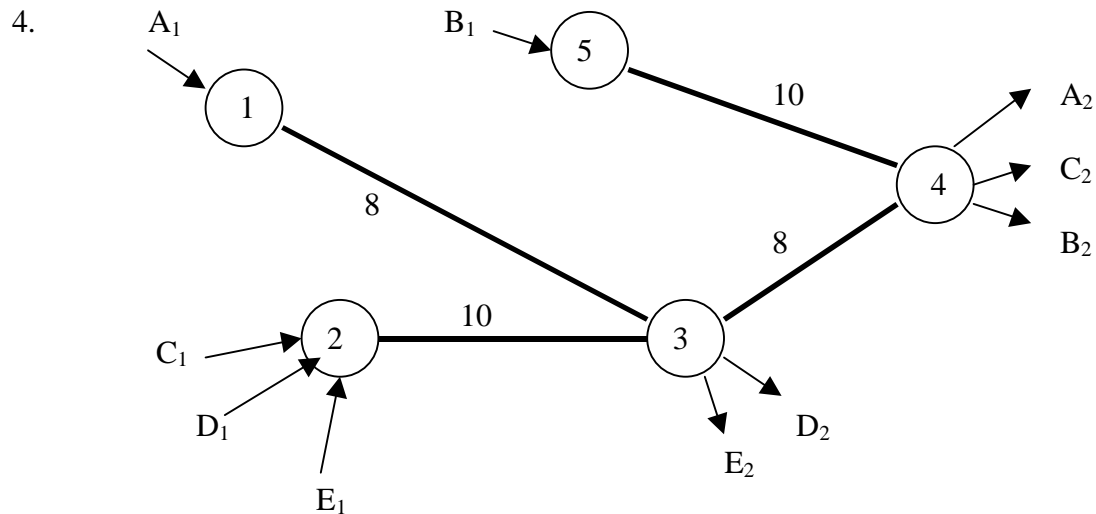# 2.993: Principles of Internet Computing
Homework #5
Due: 3/16/99

1. Peterson & Davie, Ch. 9, Prob. 15
2. Peterson & Davie, Ch. 9, Prob. 16
3. Peterson & Davie, Ch. 8, Prob. 3

4.

a) The links are labeled in units of capacity. For example, link (1-3) has 8 units of capacity. Compute the rate in each flow that results in maximum fair rate allocation under the following assumptions:
   - i)   there is no guaranteed bandwidth for each flow
   - ii)   the guaranteed bandwidth for A and E are 4 and 2 units, respectively. In this case, the left-over capacity is shared among all flows.

b) Indicate the bottleneck link(s) for each flow.