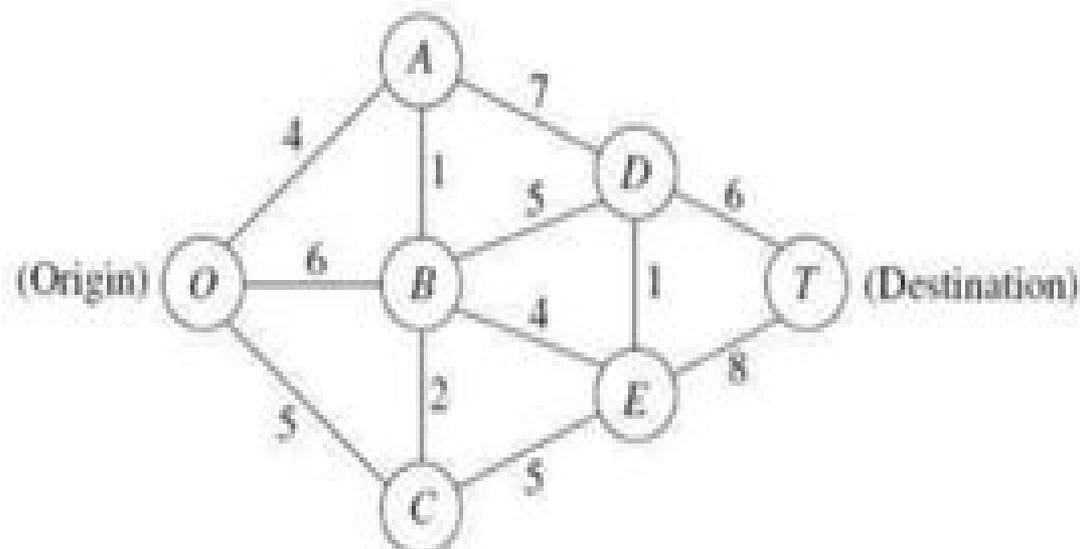


#### Problem 4. Network Optimization Problems (20 points)

Read chapter 10 and answer the following questions.

- (a) Use the algorithm described in Sec. 10.3 to find the shortest path through each of the following network, where the numbers represent actual distances between the corresponding nodes.



- (b) Reconsider the above network. Use the algorithm described in Sec. 10.4 to find the minimum spanning tree for the networks.

# Network Optimization Problems

**Katrin Zwirgmaier**



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