EECS 122: Homework 4

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Question 1:

Kurose and Ross Chapter 4: Problem 4.

Question 2:

Kurose and Ross Chapter 4: Problem 12.

Question 3:

In Kurose and Ross Chapter 4: Problem 21, we route using the metrics given in the graph as a link cost. Now, consider the same metrics to be the bandwidth of the links and find the widest (Max Bandwidth) path from x to all network nodes.

Question 4:

Kurose and Ross Chapter 4: Problem 25.

Question 5:

Knockout Switch: For an $N \times N$ switch with a fixed value of L (refer the slides for a description of N and L), find the number of switching elements as a function of N?