

EECS 122: Homework 3

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Question 1:

Kurose and Ross Chapter 3: Problem 14.

Question 2:

Kurose and Ross Chapter 3: Problem 15.

Question 3:

Kurose and Ross Chapter 3: Problem 17.

Question 4:

Kurose and Ross Chapter 3: Problem 26.

Question 5:

Kurose and Ross Chapter 3: Problem 27.

Question 6:

1. Consider the idealized model for the steady-state dynamics of TCP Reno (additive increase and multiplicative decrease, but no slow start). Show that the average throughput is $0.75W/RTT$, where W is the size of the window when loss occurs.
2. Kurose and Ross Chapter 3: Problem 31.