

Q1:

True

Q2:

False

Q3:

True

Q4:

False

Q5:

Triple Duplicate Ack

Q6:

No as it could just be a result of a reordering

Q7:

Time out as it increased it's window size to the maximum and still didn't receive any information

Q8:

No. Congestion in either direction could cause $RTT > RTO$

Q9:

Less likely since as it is a light load it should be able to handle the extra packets.

Q10:

The curved slop makes it quicker to figure out what the maximum amount of data th at the path supports quickly rather than having to wait longer for a linear slop as this could take longer than an RTT.

Q12:

$RTT = 100 \text{ ms}$, $MSS = 1000 \text{ bytes}$

400 ms

Q13:

12k difference, 100 ms for 1k so 1200 ms time delay.

Q14:

300 ms to get from 0 -> 7k and then another 300ms to get from 7k to 10k so 600 ms overall.

Q15:

Changing cross traffic by other concurrent senders across same routers.