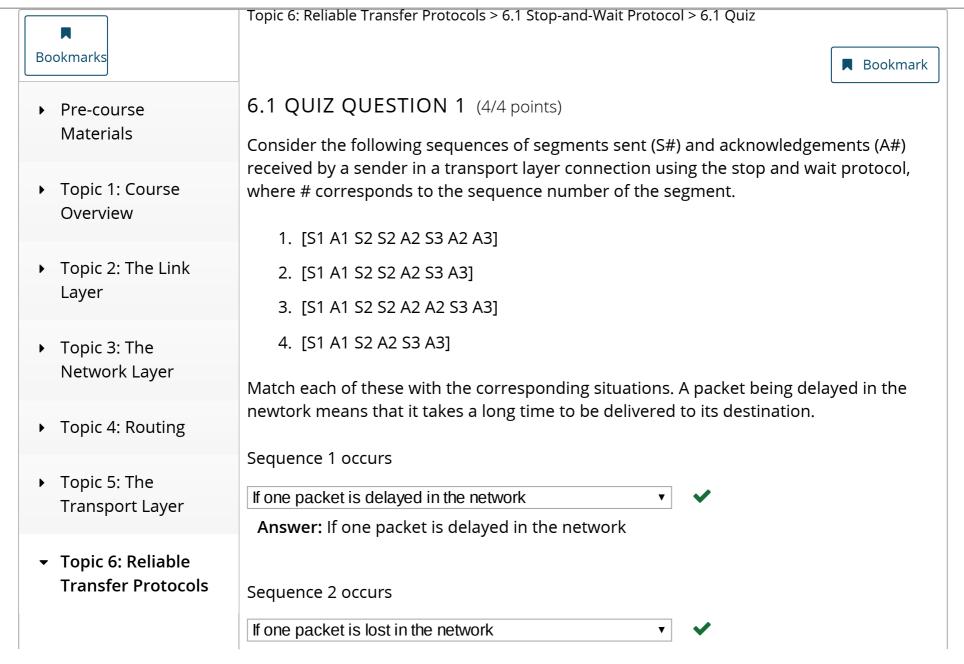


HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)



6.1 Stop-and-Wait Protocol

Week 3 Quiz due Feb 15, 2016 at 15:30 UTC

6.2 Throughput of Stopand-Wait

Week 3 Quiz due Feb 15, 2016 at 15:30 UTC

6.3 Sliding Window Protocol

Week 3 Quiz due Feb 15, 2016 at 15:30 UTC

6.4 Lab 3: Transport Layer

Lab due Feb 15, 2016 at 15:30 UTC

 MATLAB download and tutorials **Answer:** If one packet is lost in the network

Sequence 3 occurs

Never in a correctly implemented stop and wait protocol ▼

Answer: Never in a correctly implemented stop and wait protocol

Sequence 4 occurs

If no packets are lost or delayed in the network

Answer: If no packets are lost or delayed in the network

EXPLANATION

In Sequence 1, the second packet and/or its acknowledgement is delayed, so the acknowledgement is not received before the timeout, so the sender resends packet two. Eventually the acknowledgements for both packets are received.

In Sequence 2, the second packet or its acknowledgement is lost, so the sender resends packet two after the timeout.

Sequence 3 never occurs, because the sender would send packet 3 immediately after receiving the first acknowledgement for packet 2.

In Sequence 4, each sent packet is followed by its corresponding acknowledgement, so no packets are lost.

You have used 2 of 2 submissions

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