6 65 6

EVENT time: 595.8367870113224 type: 2 entity: 1

B Input: Start

toLayer3: seqnum: 3 acknum: 3 checksum: 2006 payload: dddddddddddddddddddd

toLayer3: packet being lost

toLayer3: seqnum: 4 acknum: 4 checksum: 2028 payload: eeeeeeeeeeeeeeeeee

toLayer3: scheduling arrival on other side

B Input: End

EVENT time: 596.8941923276467 type: 2 entity: 0

A Input: Start

stopTimer: stopping timer at 596.8941923276467

A Input: Received Cumulative ACK | Expected: 3 Received: 4

A Input: End

ACK For 3 is lost, so ACK For 4 is cumulative

Packet 12 Timed out

EVENT time: 2301.419415875728 type: 0 entity: 0

A Timer Interrupt | Retransmitting 12

toLayer3: seqnum: 12 acknum: -1 checksum: 2191 payload: mmmmmmmmmmmmmmmmmm

toLayer3: scheduling arrival on other side stopTimer: stopping timer at 2301.419415875728 stopTimer: Warning: Unable to cancel your timer startTimer: starting timer at 2301.419415875728



EVENT time: 4099.990844447157 type: 1 entity: 0 generateNextArrival(): called generateNextArrival(): time is 4099.990844447157 generateNextArrival(): future time for event 1 at entity 0 will be 4157.353434858241 A Output: Start toLayer3: seqnum: 22 acknum: -1 checksum: 2401 payload: www.www.wwwwwwwwwwww toLayer3: packet being lost stopTimer: stopping timer at 4099.990844447157 stopTimer: Warning: Unable to cancel your timer startTimer: starting timer at 4099.990844447157 A Output: End EVENT time: 4222.192999053926 type: 2 entity: 1 B Input: Start B Input: Sending Duplicate ACK: 22 toLayer3: seqnum: 22 acknum: 22 checksum: 2424 payload: www.www.wwwwwwwwwwww toLayer3: scheduling arrival on other side B Input: End EVENT time: 4229.042298654133 type: 2 entity: 0 A Input: Start stopTimer: stopping timer at 4229.042298654133 A Input: Received ACK: 22 A Input: End

facket az is 10st, so When B gets >22, it sends a diplicate ACK for 22

A S

EVENT time: 4868.081301309244 type: 0 entity: 0 A Timer Interrupt | Retransmitting 25 toLayer3: seqnum: 25 acknum: -1 checksum: 2464 payload: zzzzzzzzzzzzzzzz toLayer3: scheduling arrival on other side stopTimer: stopping timer at 4868.081301309244 stopTimer: Warning: Unable to cancel your timer startTimer: starting timer at 4868.081301309244 EVENT time: 4868.385876033814 type: 1 entity: 0 generateNextArrival(): called generateNextArrival(): time is 4868.385876033814 generateNextArrival(): future time for event 1 at entity 0 will be 4922.171697134312 A Output: Start toLayer3: seqnum: 29 acknum: -1 checksum: 2028 payload: ddddddddddddddddddddd toLayer3: scheduling arrival on other side stopTimer: stopping timer at 4868.385876033814 startTimer: starting timer at 4868.385876033814 A Output: End EVENT time: 4872.0787377544475 type: 2 entity: 1 B Input: Start B Input: End EVENT time: 4874.310342722861 type: 2 entity: 1 B Input: Start B Input: Sending Duplicate ACK: 26 toLayer3: seqnum: 26 acknum: 26 checksum: 1992 payload: aaaaaaaaaaaaaaaaaaa toLayer3: scheduling arrival on other side B Input: End EVENT time: 4878.427808465834 type: 2 entity: 0 A Input: Start stopTimer: stopping timer at 4878.427808465834 A Input: Received Cumulative ACK | Expected: 25 Received: 26 A Input: End

A letronsmits 25, but B wants 26, so it sends a duplicate ACK, which is cumulative on A side.