

Name (in Arabic): سليم نور Student #: _____

Spring 2008, 0907422 Computer Networks
Quiz 2-B (20 minutes)

Node N1 transmits to node N2 the frames: Frame [1], Frame[2], ..., Frame [100]. Frame [1] transmission starts at $t=0$. For the time interval $t=0$ to $t=4RTT$, and for the case when frames 4, 5 and 6 are lost, draw a timeline diagram below for the sliding window algorithm with $SWS = RWS = 3$ frames and a timeout interval of about $2RTT$ seconds. The bandwidth is $10S/RTT$ bps, where S is the number of bits per frame. Assume that the size of an acknowledgment frame is negligible compared to S .

In your diagram, label all frames/ acknowledgments transferred and identify the time when each leaves a node and arrives at the other node.

