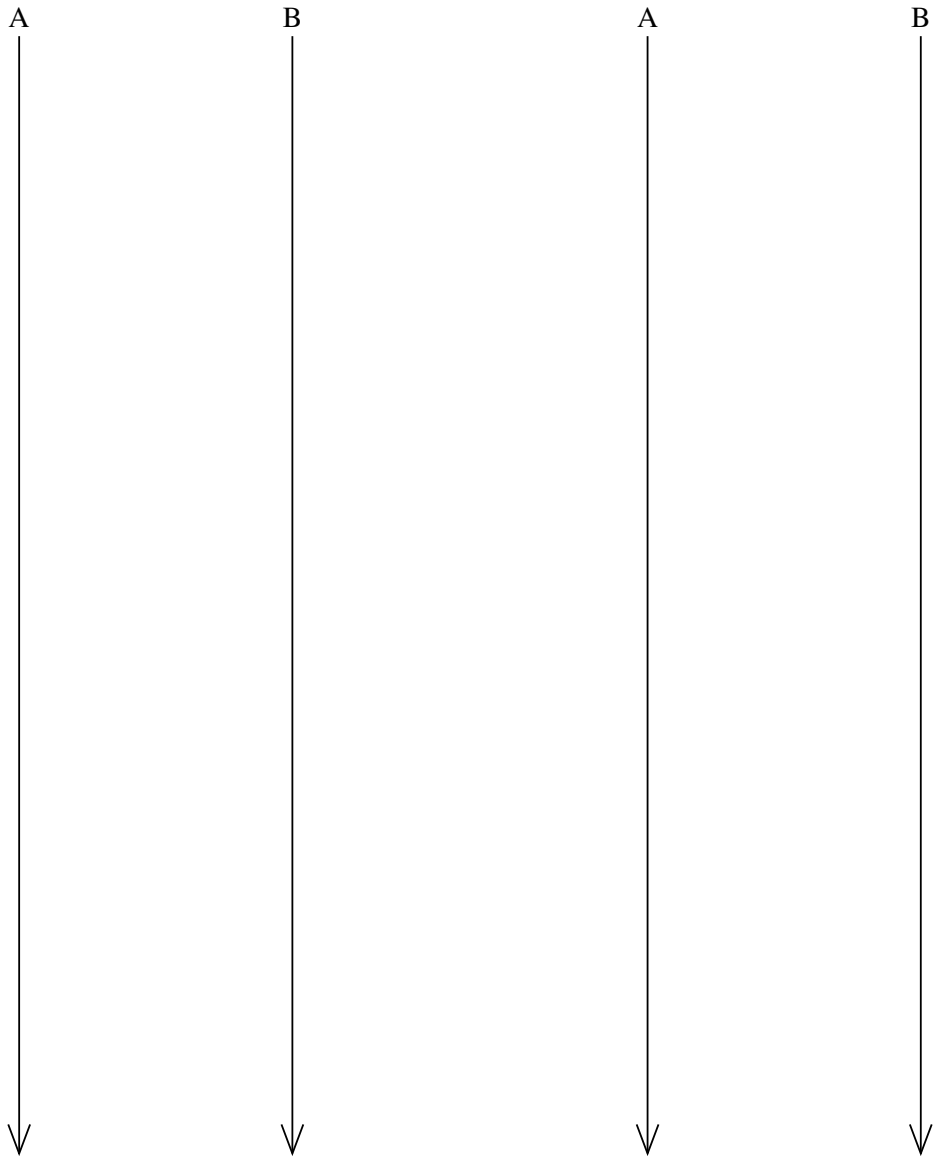
CS 434/534 Homework | Week 5
February 26, 2008 | **DUE: Mar 4**

1. Compare and contrast Web Services with traditional RPC.

2. Illustrate the segments sent using the Go-back-N reliable transport protocol (use the simplest version of this protocol we discussed). Assume that each segment receives one sequence number (i.e. do not count bytes like TCP) that begins with 1. The sender will have one segment ready at each time step (so segment 7 will be ready at timestep 7). It takes one timestep for a segment to travel between the two ends. The sender will timeout a segment on the third timestep, so that segment 1 would timeout at timestep 4. $N = 4$. Illustrate the window size, data segments with sequence numbers, and ACKs with numbers. Data segment 3 and the ACK for segment 6 will be lost the first time they are transmitted.

   Answer on back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