

CS320: Internetworking
Fall 2021

Review Quiz #5

- Name only: _____
- Release date: Oct 18, 2021
- Total 5 pts

I. Compare GBN and SR. Assume that the timeout values for all two protocols are sufficiently long such that 5 consecutive data segments and their corresponding ACKs can be received (if not lost in the channel) by the receiving host (Host B) and the sending host (Host A) respectively. Suppose Host A sends 5 data segments to Host B, and the 2nd segment (sent from A) is lost. In the end, all 5 data segments have been correctly received by Host B.

- How many segments has Host A sent in total and what are their sequence numbers in GBN and SR, respectively?

[2.5 pts]

- How many ACKs has Host B sent in total and what are their sequence numbers in GBN and SR, respectively?

[2.5 pts]