

Homework 5

*Assigned: October 29**Due: November 6 (in class)*

1. Provide pseudocode for the processing necessary at the sender and receiver to achieve reliable packet transfer over a channel that is subject to bit errors, packet losses and packet duplication (but not reordering). Assume a stop-and-wait protocol. Demonstrate with sender-receiver diagrams that all types of packet duplication are properly handled.
2. Leon-Garcia, 1st edition 5.19, 2nd edition 5.19. Note that “ARQ” stands for automatic repeat request” and is a term used to describe protocols that achieve reliable transfer over an unreliable channel (i.e., exactly as we have been discussing in class).
3. Leon-Garcia, 1st edition 5.20, 2nd edition 5.20
4. Leon-Garcia, 1st edition 5.21, 2nd edition 5.21
5. Leon-Garcia, 1st edition 5.23, 2nd edition 5.23. You do not need to show state transitions.