

## Assignment #08 Solution

### P11-6.

- a. The packet is discarded. The receiver in this one-directional setup is not supposed to get a packet from the upper layer; it is supposed to deliver the packet to the upper layer.
- b. The frame is discarded.
- c. The acknowledgment is discarded. The receiver is supposed to receive data frames and send acknowledgment.

### P11-7.

- a. The sender stops the timer and discards the saved frame. It is ready to receive new packets from the upper layer.
- b. The sender resend a copy of the saved frame and starts a new timer.
- c. This situation never happens. When the timer is running, the sender is at the blocking state, not the ready state.

**P11-11.** The following shows the result. We inserted extra 0 after each group of five consecutive 1's.

0001111100000111110010001111101011110000111
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**P11-14.** We remove the zero that comes after five 1's.

0001111100001111111010011101111101101111
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