

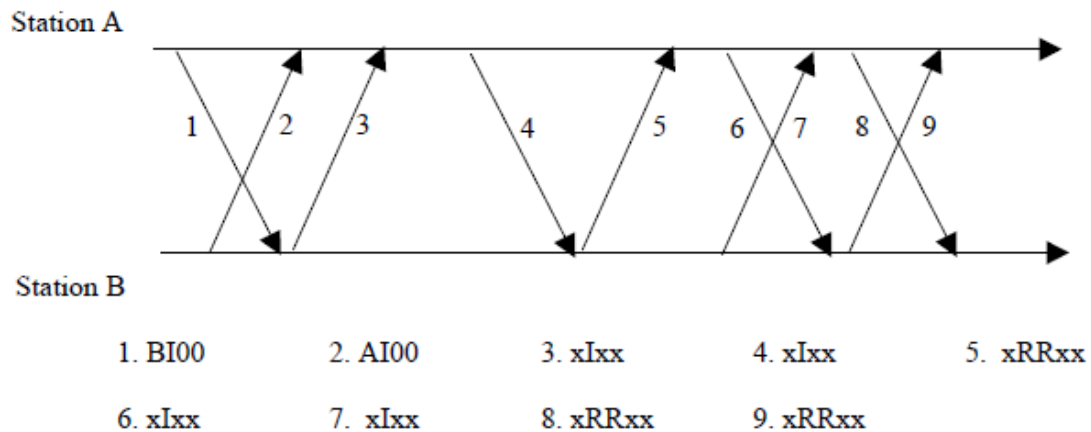
## Tutorial 9

### Question 1

Explain the differences between PPP and HDLC.

### Question 2

The following corresponds to an HDLC ABM frame exchange with no errors.



- (a) Complete the diagram by completing the labeling of the frame exchanges.
- (b) Write the sequence of state variables at the two stations as each event takes place.

### Question 3

Suppose that the ALOHA protocol is used to share a 10 Mbps channel and the frame size is 1,500 bytes. Find the maximum throughput of the system in frames/sec.