

02:14

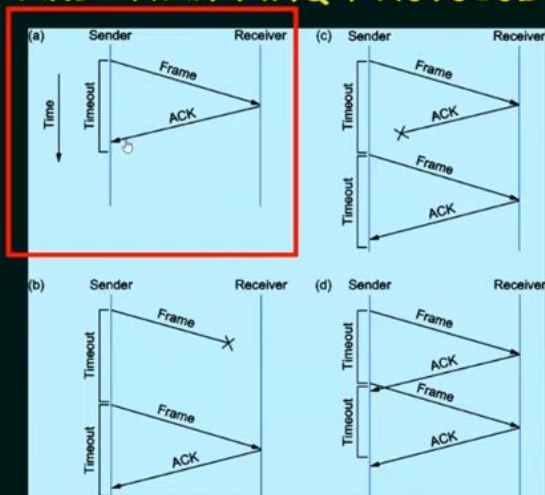
STOP-AND-WAIT ARQ PROTOCOL

- ★ Idea of stop-and-wait protocol is straightforward.
- ★ After transmitting one frame, the sender waits for an acknowledgement before transmitting the next frame.
- ★ If the acknowledgement does not arrive after a certain period of time, the sender times out and retransmits the original frame.
- ★ Stop-and-Wait ARQ = Stop-and-Wait + Timeout Timer + Sequence number

NESO ACADEMY

03:11

STOP-AND-WAIT ARQ PROTOCOL

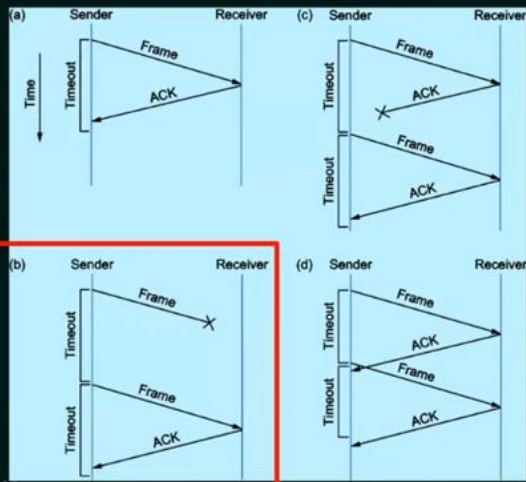


NESO ACADEMY

(a) The ACK is received before the timer expires;

03:33

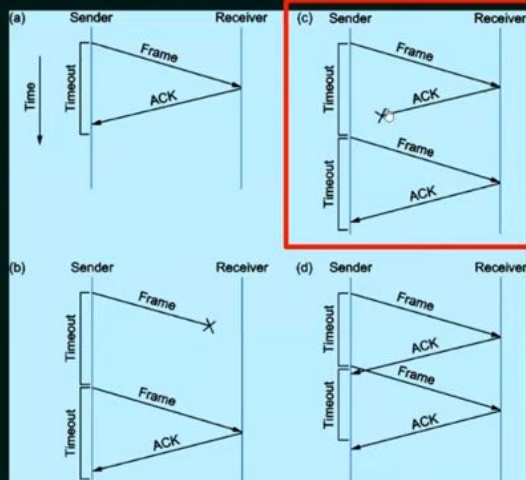
STOP-AND-WAIT ARQ PROTOCOL



(b) The original frame is lost

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STOP-AND-WAIT ARQ PROTOCOL

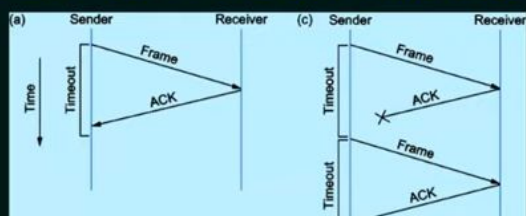


(c) The ACK is lost

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STOP-AND-WAIT ARQ PROTOCOL



(d) The timeout fires too soon

