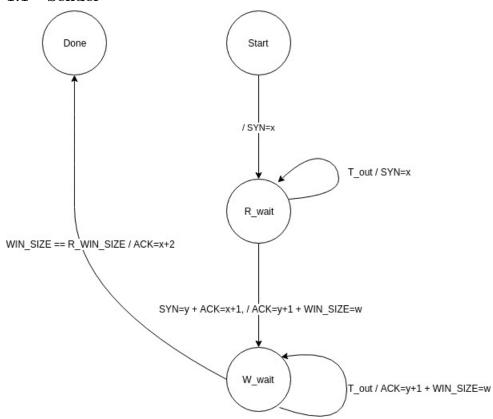
Lab 3a Statemachines

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1 Three way handshake

1.1 Sender

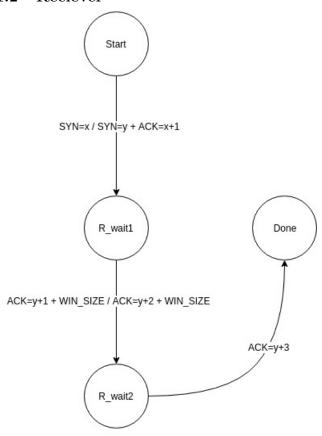


Inputs: WIN_SIZE == R_WIN_SIZE, Con_R, T_out, !(SYN + ACK=x+1)

Outputs: ACK=x+2, SYN=x, ACK=y+1 + WIN_SIZE=w, ACK=y+1 + WIN_SIZE=w

States: Start, R_wait, W_wait, Done

1.2 Reciever

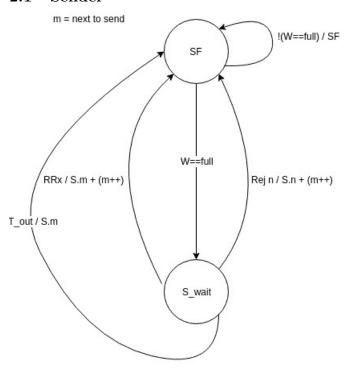


Inputs: SYN=x, ACK=y+1 + WIN_SIZE, ACK=y+3
Outputs: SYN=y + ACK=x+1, ACK=y+2 + WIN_SIZE

States: Start, R_wait1, R_wait2, Done

2 Sliding window

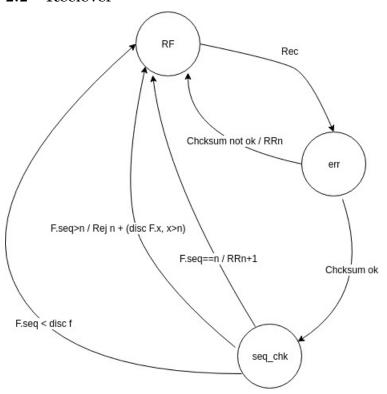
2.1 Sender



Inputs: !(W==full), RRx, Rej n, T_out Outputs: SF, S.m + (m++), S.n + (m++), S.m

States: SF, S_wait

2.2 Reciever



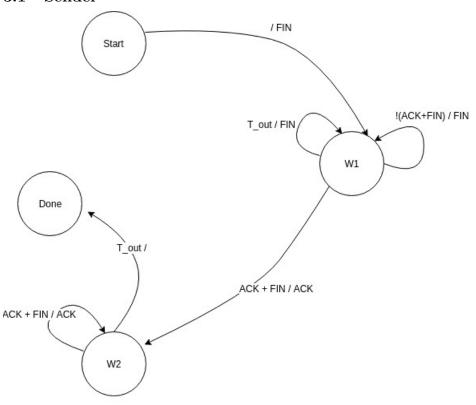
Inputs: Rec, Chcksum not ok, Chcksum ok, F.seq, F.seq>n, F.seq < disc f

Outputs: RRn, RRn+1, Rej n + (disc F.x, x>n)

States: RF, err, seq_chk

3 Teardown

3.1 Sender

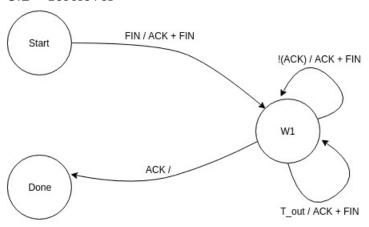


Inputs: fin_req, !(ACK), T_out, ACK, !(FIN), FIN

Outputs: FIN, ACK

States: Start, W1, W2, Done

3.2 Reciever



Inputs: FIN, !(ACK), ACK, T_out

Outputs: ACK + FIN States: Start, W1, Done