

Reset all variable to 0
start-time, data-position
num-seg-in-window, seq-num
ack-num, state of sender and receiver

MAIN LOOP

CLOSE STATE

Send SYN

SYN-ACK back

Send ACK

Connection established state

check if all data sent

YES

FIN STATE

FIN-ACK FIN-ACK

close stp

Not

check if window is full

YES

No.

Receive ACK

Send data from data position

transmit

keep rcv

Retransmit

Send

Next loop

drop

no drop

Next loop

Retransmit

(check drop)

Next loop

Next loop

