**TX**

tahoe\_congestion\_control

encode ‘Start’ + sendto

recvfrom (astept confirmarea primirii pachetului)

TX\_RX\_thread.start()

receive

if ack is good

packet\_received()

else

packet\_lost()

TX\_TX\_thread.start()

sent ‘Start’ (file\_name)

segments coded from file

wait if pipe is full

jump back if packet\_lost

encode ‘Data’ x N + sendto

encode ‘End’ x 1 + sendto => stop while loop

**RX**

tahoe\_congestion\_control

receive

consider pachet pierdut?

afisare mesaj “packet lost”

consider pachet primit?

pachetul primit e ok?

if type == Start

creeaza fisier

if type == Data

populeaza fisier

if type == End

inchide fisier si transmisie

sendto (ack = segment\_number + 1)

pachetul primit are ack gresit

sendto (ack\_waited)

pierderea pachetelor spre RX este anuntata de ack-urile duplicate sau de timer

pierderea pachetelor spre TX este anuntata de timer

daca primesc ack X de 3 ori, sau expira timer specific lui segment number X, retransmit incepand cu X