request file from peer

wait

TRANSMIT LOOP

delay

close

less than max bandwidth

Exceeds max bandwidth

Receive packet with "Send this file:"

monitor bandwidth

send file size

wait

Receive packet with "length:"

Receive packet with "Bandwidth:"

send max bandwidth

wait for ack

copy data

wait

RECEIVE LOOP

send ack

Receive packet with "startindex:"

send packet

increase index

loop complete

receive ack

send data back to front-end

ack timeout