set ns [new Simulator]

set tf [open 4.tr w]

$ns trace-all $tf

set nf [open 4.nam w]

$ns namtrace-all $nf

$ns color 1 Blue

set n0 [$ns node]

set n1 [$ns node]

$n0 label "Server"

$n1 label "Client"

$ns duplex-link $n0 $n1 0.3Mb 10ms DropTail

set tcp [new Agent/TCP]

$ns attach-agent $n0 $tcp

$tcp set packetSize\_ 1500

set sink [new Agent/TCPSink]

$ns attach-agent $n1 $sink

$ns connect $tcp $sinkset ftp [new Application/FTP]

$ftp attach-agent $tcp

$ns at 0.1 "$ftp start"

$ns at 12.0 "finish"

proc finish {} {

global ns tf nf cwind

$ns flush-trace

close $tf

close $nf

exec nam 4.nam &

exec awk -f 4transfer.awk 4.tr &

exec awk -f 4convert.awk 4.tr > convert.tr &

exec xgraph convert.tr -geometry 800\*400 -t "bytes\_client" -x "time" -y "bytes\_in\_bps" &

exit 0

}

$ns run