Prg1.tcl

set val(stop) 10.0

set ns [new Simulator]

set tracefile [open 1.tr w]

$ns trace-all $tracefile

set namfile [open 1.nam w]

$ns namtrace-all $namfile

set n0 [$ns node]

set n1 [$ns node]

set n2 [$ns node]

$ns duplex-link $n0 $n1 100.0Mb 10ms DropTail

$ns queue-limit $n0 $n1 50

$ns duplex-link $n1 $n2 100.0Mb 10ms DropTail

$ns queue-limit $n1 $n2 5

$ns duplex-link-op $n0 $n1 orient right-down

$ns duplex-link-op $n1 $n2 orient left-down

set tcp1 [new Agent/TCP]

$ns attach-agent $n0 $tcp1

set sink2 [new Agent/TCPSink]

$ns attach-agent $n2 $sink2

$ns connect $tcp1 $sink2

$tcp1 set packetSize\_ 2500

set ftp0 [new Application/FTP]

$ftp0 attach-agent $tcp1

$ns at 1.0 "$ftp0 start"

$ns at 2.0 "$ftp0 stop"

proc finish {} {

global ns tracefile namfile

$ns flush-trace

close $tracefile

close $namfile

exec nam 1.nam &

exit 0

}

$ns at $val(stop) "$ns nam-end-wireless $val(stop)"

$ns at $val(stop) "finish"

$ns at $val(stop) "puts \"done\" ; $ns halt"

$ns run