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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

```