```
set ns [new Simulator]
$ns color 1 Blue
$ns color 2 Red
set nf [open out.nam w]
$ns namtrace-all $nf
set nt [open out.tr w]
$ns trace-all $nt
proc finish {} {
  global ns nf nt
  $ns flush-trace
  close $nf
  close $nt
  exec nam out.nam &
  exit 0
}
set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]
set n4 [$ns node]
$ns duplex-link $n0 $n3 2Mb 10ms DropTail
$ns duplex-link $n1 $n3 2Mb 10ms DropTail
$ns duplex-link $n3 $n2 1Mb 10ms DropTail
$ns duplex-link $n3 $n4 1Mb 10ms DropTail
$ns queue-limit $n3 $n2 10
$ns queue-limit $n3 $n4 10
$ns duplex-link-op $n0 $n3 orient right-down
$ns duplex-link-op $n1 $n3 orient right-up
$ns duplex-link-op $n3 $n2 orient right-up
$ns duplex-link-op $n3 $n4 orient right-down
$ns duplex-link-op $n3 $n2 queuePos 0.5
$ns duplex-link-op $n3 $n4 queuePos 0.5
set tcp [new Agent/TCP]
$tcp set class 2
$ns attach-agent $n0 $tcp
set sink [new Agent/TCPSink]
$ns attach-agent $n2 $sink
```

\$ns connect \$tcp \$sink
\$tcp set fid\_ 1

set tcp1 [new Agent/TCP]
\$tcp1 set class\_ 2
\$ns attach-agent \$n1 \$tcp1
set sink1 [new Agent/TCPSink]
\$ns attach-agent \$n4 \$sink1
\$ns connect \$tcp1 \$sink1
\$tcp1 set fid\_ 2

set ftp [new Application/FTP] \$ftp attach-agent \$tcp \$ftp set type\_ FTP

set ftp1 [new Application/FTP] \$ftp1 attach-agent \$tcp1 \$ftp1 set type\_FTP

\$ns at 0.1 "\$ftp start" \$ns at 2 "\$ftp stop" \$ns at 0.2 "\$ftp1 start" \$ns at 2 "\$ftp1 stop" \$ns at 2.1 "finish"

\$ns run