```
set ns [new Simulator] set nr [open thro.tr w]
  $ns trace-all $nr
 setnf [open thro.nam w]
$ns namtrace-all $nfproc finish { } { global ns nr nf
$ns flush-trace close $nf close $nr
  execnamthro.nam& exit 0
for { set i 0 } { $i< 12} { incri 1 } { set n($i) [$ns node]} for { set i 0 } { $i< 8} { incri} { $ns duplex-link $n($i) $n([expr $i+1]) $1Mb $10ms DropTail } $ns duplex-link $n(0) $n(8) $1Mb $10ms DropTail $ns duplex-link $n(1) $n(10) $1Mb $10ms DropTail } $ns duplex-link $n(1) $n(10) $1Mb $10ms DropTail } $ns duplex-link $n(1) $n(10) $1Mb $10ms DropTail } $ns duplex-link $n(10) $n(10) $1Mb $10ms DropTail } $ns duplex-link $n(10) $n(10) $1Mb $10ms DropTail } $n(10) $n(10)
  $ns duplex-link $n(0) $n(9) 1Mb 10ms DropTail
Sns duplex-link $n(9) $n(11) 1Mb 10ms DropTail
Sns duplex-link $n(10) $n(11) 1Mb 10ms DropTail
Sns duplex-link $n(10) $n(11) 1Mb 10ms DropTail
Sns duplex-link $n(11) $n(5) 1Mb 10ms DropTail
set udp0 [new Agent/UDP]
Sns attach-agent $n(0) $udp0
  set cbr0 [new Application/Traffic/CBR]
  $cbr0 set packetSize 500
  $cbr0 set interval_ 0.005
  $cbr0 attach-agent $udp0 set null0 [new Agent/Null]
Sns attach-agent $n(5) $null0
Sns connect $udp0 $null0 set udp1 [new Agent/UDP]
$ns attach-agent $n(1) $udp1
  set cbr1 [new Application/Traffic/CBR]
  $cbr1 set packetSize 500
  $cbr1 set interval_ 0.005
  $cbr1 attach-agent $udp1 set null0 [new Agent/Null]
 Sns attach-agent Sn(5) Snull0
Sns connect Sudp1 Snull0
Sns rtproto DV
Sns rtmodel-at 10.0 down Sn(11) Sn(5)
  $ns rtmodel-at 15.0 down $n(7) $n(6)
  $ns rtmodel-at 30.0 up $n(11) $n(5)
  $ns rtmodel-at 20.0 up $n(7) $n(6)
 $udp0 set fid_ 1
$udp1 set fid_ 2
$ns color 1 Red
$ns color 2 Green
  $ns at 1.0 "$cbr0 start"
 $ns at 2.0 "$cbr1 start"
$ns at 45 "finish"
```

ns run