```
set ns [new Simulator]

set nt [open lab01prog32.tr w]
$ns trace-all $ntco

set nf [open lab01prog32.nam w]
$ns namtrace-all $nf

set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]

$ns color 1 Blue
$ns color 2 Red

$n0 label "Source/udp0"
$n1 label "Source/udp1"
$n2 label "Router"
$n3 label "Destination/null"

$ns duplex-link $n0 $n2 10Mb 300ms DropTail
$ns duplex-link $n1 $n2 10Mb 300ms DropTail
$ns duplex-link $n2 $n3 100Kb 300ms DropTail

$ns queue-limit $n0 $n2 10
$ns queue-limit $n1 $n2 10
$ns queue-limit $n2 $n3 5

set udp0 [new Agent/UDP]
$ns attach-agent $n0 $udp0
set udp1 [new Agent/UDP]
$ns attach-agent $n1 $udp1
```

```
set null3 [new Agent/Null]
$ns attach-agent $n3 $null3

set cbr0 [new Application/Traffic/CBR]
$cbr0 attach-agent $udp0
set cbr0 [new Application/Traffic/CBR]
$cbr0 attach-agent $udp0
set cbr1 [new Application/Traffic/CBR]
$cbr1 attach-agent $udp1


$udp0 set class_ 1
$udp1 set class_ 2


$ns connect $udp0 $null3
$ns connect $udp1 $null3


$cbr1 set packetSize_ 500Mb
$cbr1 set interval_ 0.005


proc finish {} {
   global ns nf nt
   $ns flush-trace
   exec nam lab01prog32.nam &
   close $nt
   close $nf
   exit 0
}
```