Code:

```
set ns [new Simulator]


$ns color 2 Green


set nf [open prac1.nam w]
$ns namtrace-all $nf


set np [open prac1.tr w]
$ns trace-all $np


proc finish {} {
```

```
        global ns nf np
        $ns flush-trace
        #Close the NAM trace file
        close $nf
        #Execute NAM on the trace file
exec nam prac1.nam &
        exit 0
}

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

#Create links between the nodes
$ns duplex-link $n0 $n2 2Mb 10ms RED
$ns duplex-link $n1 $n2 2Mb 10ms RED
$ns duplex-link $n2 $n3 1.7Mb 20ms RED

$ns queue-limit $n2 $n3 8


$ns duplex-link-op $n0 $n2 orient left-up
$ns duplex-link-op $n1 $n2 orient left-down
$ns duplex-link-op $n2 $n3 orient left


$ns duplex-link-op $n2 $n3 queuePos 1.5
```

```
set udp [new Agent/UDP]
$ns attach-agent $n1 $udp
set null [new Agent/Null]
$ns attach-agent $n3 $null
$ns connect $udp $null
$udp set fid_ 2

set cbr [new Application/Traffic/CBR]
$cbr attach-agent $udp


$cbr set packet_size_ 1000


$cbr set rate_ 1mb

$cbr set random_ false

$ns at 0.1 "$cbr start"
#$ns at 1.0 "$ftp start"
#$ns at 4.0 "$ftp stop"
$ns at 4.5 "$cbr stop"



$ns at 5.0 "finish"
```

puts "CBR packet size = [$cbr set packet_size_]"

puts "CBR interval = [$cbr set interval_]"

$ns run