```
set ns [new Simulator]
set nf [open prog3.nam w]
$ns namtrace-all $nf
set nd [open prog3.tr w]
$ns trace-all $nd

proc finish {} {
global ns nf nd
$ns flush-trace
close $nf
exec nam prog3.nam &
exit 0
}

set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]
#set color to the nodes
$n1 color blue
$n0 color red
$n2 color purple
$n3 color orange

$ns color 1 blue

$n0 label TCP
$n1 label UDP
$n3 label NULL-TCPSINK

$ns duplex-link $n0 $n2 1Mb 10ms DropTail
$ns duplex-link $n1 $n2 1Mb 10ms DropTail
$ns duplex-link $n2 $n3 1Mb 10ms DropTail

set tcp0  [new Agent/TCP]
$ns attach-agent $n0 $tcp0

set sink0 [new Agent/TCPSink]
$ns attach-agent $n3 $sink0
$ns connect $tcp0 $sink0
$tcp0 set fid_ 1

set ftp0  [new Application/FTP]
$ftp0 attach-agent $tcp0

set udp0 [new Agent/UDP]
$ns attach-agent $n1 $udp0
set null0 [new Agent/Null]
$ns attach-agent $n3 $null0
$ns connect $udp0 $null0

set cbr0 [new Application/Traffic/CBR]
$cbr0 set packetSize_ 500
$cbr0 set interval_ 0.005
$cbr0 attach-agent $udp0

$ns at 0.2 "$cbr0 start"
$ns at 0.1 "$ftp0 start"
$ns at 4.5 "$cbr0 stop"
$ns at 4.4 "$ftp0 stop"

$ns at 5.0 "finish"
$ns run

```