set ns [new Simulator] set nf [open p8.tr w]

$ns trace-all $nf

set ntrace [open p8.nam w]

$ns namtrace-all $ntrace

for {set i 0} { $i<4 } {incr i} { set n($i) [$ns node] }

for {set i 0} { $i<4 } {incr i} {

$ns duplex-link $n($i) $n([expr ($i+1)%4]) 1Mb 10ms DropTail } set udp [new Agent/UDP]

set null [new Agent/Null]

$ns attach-agent $n(0) $udp

$ns attach-agent $n(1) $null

$ns connect $udp $null

set cbr [new Application/Traffic/CBR]

$cbr set interval\_ 0.005

$cbr set packetSize\_ 500

$cbr attach-agent $udp

set udp1 [new Agent/UDP] set null1 [new Agent/Null]

$ns attach-agent $n(1) $udp1

$ns attach-agent $n(2) $null1

$ns connect $udp1 $null1

set cbr1 [new Application/Traffic/CBR]

$cbr1 set interval\_ 0.005

$cbr1 set packetSize\_ 500

$cbr1 attach-agent $udp1 set udp2 [new Agent/UDP] set null2 [new Agent/Null]

$ns attach-agent $n(2) $udp2

$ns attach-agent $n(3) $null2

$ns connect $udp2 $null2

set cbr2 [new Application/Traffic/CBR]

$cbr2 set interval\_ 0.005

$cbr2 set packetSize\_ 500

$cbr2 attach-agent $udp2 set udp3 [new Agent/UDP] set null3 [new Agent/Null]

$ns attach-agent $n(3) $udp3

$ns attach-agent $n(0) $null3

$ns connect $udp3 $null3

set cbr3 [new Application/Traffic/CBR]

$cbr3 set interval\_ 0.005

$cbr3 set packetSize\_ 500

$cbr3 attach-agent $udp3 proc Finish { } {

global ns nf ntrace

$ns flush-trace close $nf close $ntrace

exec nam p8.nam & exit 0

}

$ns at 0.5 "$cbr start"

$ns at 4.5 "$cbr stop"

$ns at 0.5 "$cbr1 start"

$ns at 4.5 "$cbr1 stop"

$ns at 0.5 "$cbr2 start"

$ns at 4.5 "$cbr2 stop"

$ns at 0.5 "$cbr3 start"

$ns at 4.5 "$cbr3 stop"

$ns at 5.0 "Finish"

$ns run