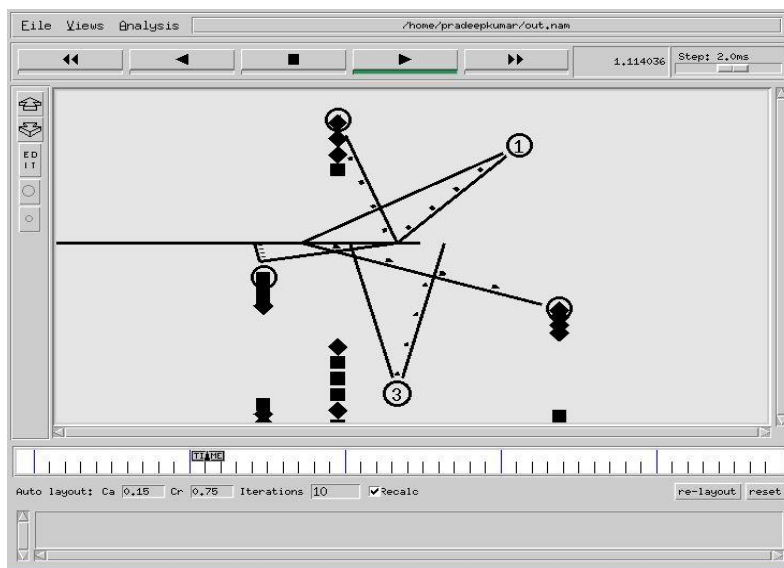**Bus Topology :**

Mesh Topology :
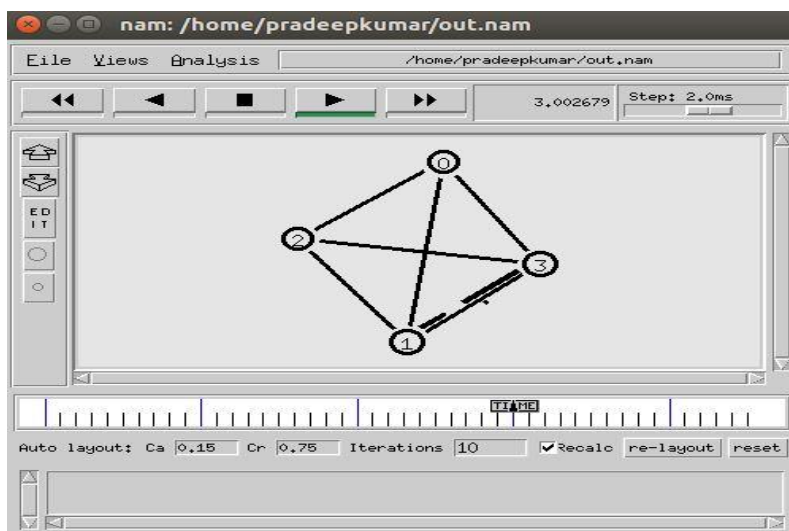
Ring Topology :

Simple Network :

File Views Analysis /home/pradeepkumar/out.nam

◀◀ ◀ ■ ▶ ▶▶ 0.000000 Step: 2.0ms

0

1

TIME

Auto layout: Ca 0.15 Cr 0.75 Iterations 10 ☑Recalc re-layout reset
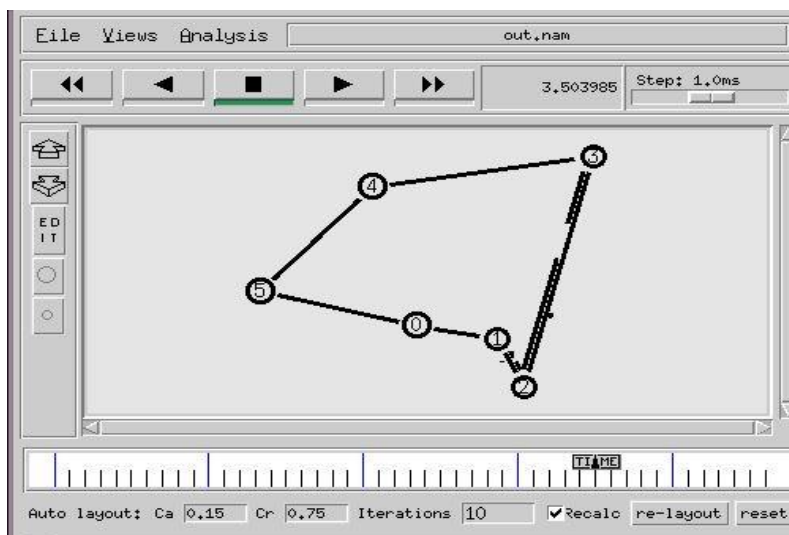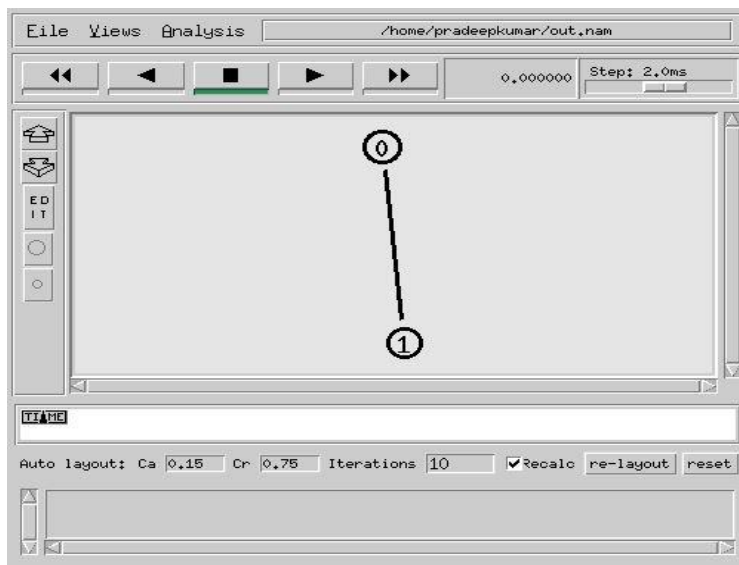
Mesh Topology :

```
set ns [new Simulator]
set nf [open out.nam w]
$ns namtrace-all $nf
Proc finish {} {
        global ns nf
        $ns flush-trace
        close $nf
        exec namout.nam &
        exit 0
}
Set n0[$ns node]
Set n1[$ns node]
Set n2[$ns node]
Set n3[$ns node]
$ns duplex-link $n0 $n1 1Mb 10ms DropTail
$ns duplex-link $n0 $n2 1Mb 10ms DropTail
$ns duplex-link $n0 $n3 1Mb 10ms DropTail
$ns duplex-link $n1 $n2 1Mb 10ms DropTail
$ns duplex-link $n1 $n3 1Mb 10ms DropTail
$ns duplex-link $n2 $n3 1Mb 10ms DropTail
set tcp0 [newAgent/TCP]
$tcp0 setclass_1
$ns attach-agent $n1 $tcp0
Set sink0[new Agent/TCPSink]
$ns attach-agent $n3 $sink0
$ns connect $tcp0 $sink0
set cbr0 [new Application/Traffic/CBR]
$cbr0 set packetSize_ 500
$cbr0 set interval_ 0.01
$cbr0 attach-agent $tcp0
$ns at 0.5 "$cbr0 start"
$ns at 4.5 "$cbr0 stop"
$ns at 5.0 "finish"
$ns run
```

Bus Topology :

```
set ns [new Simulator]
set nf [open out.nam w]
$ns namtrace-all $nf
Proc finish {} {
        global ns nf
        $ns flush-trace
        close $nf
        exec namout.nam &
        exit 0
}
Set n0[$ns node]
Set n1[$ns node]
Set n2[$ns node]
Set n3[$ns node]
Set n4[$ns node]
Set lan0 [$ns newLan"$n0 $n1 $n2 $n3 $n4 "0.5Mb 40msLLQueue/ Drop Tail MAC/
Csma/ CdChannel]
set tcp0 [newAgent/TCP]
$tcp0 set class _1
$ns attach-agent $n1 $tcp0
Set sink0[new Agent/TCPSink]
$ns attach-agent $n3 $sink0
$ns connect $tcp0 $sink0
set cbr0 [newApplication/Traffic/CBR]
$cbr0 set packetSize _500
$cbr0 set interval _0.01
$cbr0 attach-agent $tcp0
$ns at 0.5 "$cbr0 start"
$ns at 4.5 "$cbr0 stop"
$ns at 5.0 "finish"
$ns run
```

Ring Topology :

```
set ns [new Simulator]
set nf [open out.nam w]
$ns namtrace-all $nf
Proc finish {} {
        global ns nf
        $ns flush-trace
        close $nf
        exec namout.nam &
        exit 0
}
Set n0[$ns node]
Set n1[$ns node]
Set n2[$ns node]
Set n3[$ns node]
Set n4[$ns node]
Set n5[$ns node]
$ns duplex-link $n0 $n1 1Mb 10ms DropTail
$ns duplex-link $n1 $n2 1Mb 10ms DropTail
$ns duplex-link $n2 $n3 1Mb 10ms DropTail
$ns duplex-link $n3 $n4 1Mb 10ms DropTail
$ns duplex-link $n4 $n5 1Mb 10ms DropTail
$ns duplex-link $n5 $n0 1Mb 10ms DropTail
Set tcp0[newAgent/TCP]
$tcp0 set class _1
$ns attach-agent $n1 $tcp0
Set sink0[new Agent/TCPSink]
$ns attach-agent $n3 $sink0
$ns connect $tcp0 $sink0
set cbr0 [newApplication/Traffic/CBR]
$cbr0 set packetSize _500
$cbr0 set interval _0.01
$cbr0 attach-agent $tcp0
$ns at 0.5 "$cbr0 start"
$ns at 4.5 "$cbr0 stop"
$ns at 5.0 "finish"
$ns run
```