[2CEIT503: COMPUTER NETWORK]

Practical: 7

AIM: **Implementation of .tcl script in Ns2 .**

a) **Write a tcl script to add two nodes and one link (example.tcl).**
b) **Modify example.tcl such that node n0 sends data to node n1.**

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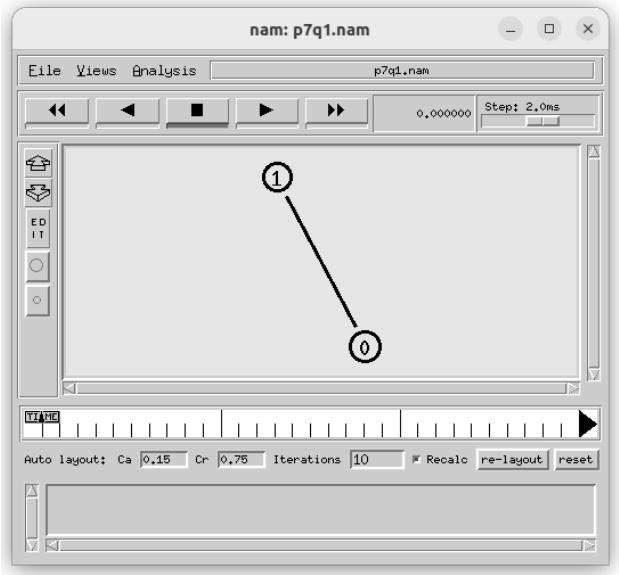
a) Write a tcl script to add two nodes and one link (example.tcl).

```
set ns [ new Simulator ]
set nf [ open p7q1.nam w ]
$ns namtrace-all $nf

set n0 [$ns node]
set n1 [$ns node]
$ns duplex-link $n0 $n1 1Mb 10ms DropTail

proc finish {} {
    global ns nf
    $ns flush-trace
    close $nf
    exec nam out.nam &
    exit 0
}
$ns at 5.0 "finish"
$ns run
```

Output:



b) Modify example.tcl such that node n0 sends data to node n1.

```
set ns [ new Simulator ]
set nf [ open p7q2.nam w ]
$ns namtrace-all $nf

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

$ns duplex-link $n0 $n1 3mb 5ms DropTail

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

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

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

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

$ns at 1.0 "$cbr0 start"
$ns at 8.0 "$cbr0 stop"
$ns at 10.0 "finish"
$ns run
```

Output: