

1. 1. Implement three nodes point – to – point network with duplex links between them. Set the queue size, vary the bandwidth, and find the number of packets dropped. #Create Simulator

```

set ns [new Simulator]

#Open Trace file and NAM file
set ntrace [open prog1.tr w]

$ns trace-all $ntrace

set namfile [open prog1.nam w]

$ns namtrace-all $namfile

#Finish Procedure
proc Finish {} {
    global ns ntrace namfile

    #Dump all the trace data and close the files

    $ns flush-trace

    close $ntrace

    close $namfile

    #Execute the nam animation file

    exec nam prog1.nam &

    #Show the number of packets dropped

    exec echo "The number of packet drops is " &

    exec grep -c "^d" prog1.tr &

    exit 0
}

#Create 3 nodes
set n0 [$ns node]

```

