LINK STATE ROUTING

s2019103573@centos8-linux:~/

```
# new simulator
set ns [new Simulator]

# different colors for different dataframes
$ns color 1 Green
$ns color 2 Brown

set tracefile [open pran.tr w]
$ns trace-all $tracefile

set namfile [open pran.nam w]
$ns namtrace-all $namfile

# finish procedure
proc finish {} {
    global ns nf
    $ns flush-trace
    exec nam pran.nam &
    exit 0
}


# 4 main nodes
set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]

# links between nodes
"pran.tcl" 94L, 1795C
# new simulator

set ns [new Simulator]

#To initialize nam file
set namfile [open out.nam w]
$ns namtrace-all $namfile
```

```
#To define Finish procedure
proc finish {} {
global ns namfile
$ns flush-trace
close $namfile
exec nam out.nam &
exit 0
}

# Initializing Nodes
set n0 [$ns node]
set n1 [$ns node]
set n2 [$ns node]
set n3 [$ns node]

# Setting links between nodes

$ns duplex-link $n0 $n1 5Mb 10ms DropTail
$ns duplex-link $n1 $n3 5Mb 10ms DropTail
$ns duplex-link $n0 $n2 10Mb 10ms DropTail
$ns duplex-link $n2 $n3 10Mb 10ms DropTail
$ns duplex-link $n1 $n2 10Mb 10ms DropTail

# Creatiset ns [new Simulator]

#To initialize nam file
set namfile [open out.nam w]
$ns namtrace-all $namfile


#To define Finish procedure
proc finish {} {
global ns namfile
$ns flush-trace
"lsr.tcl" 113L, 2391C
```

OUTPUT :