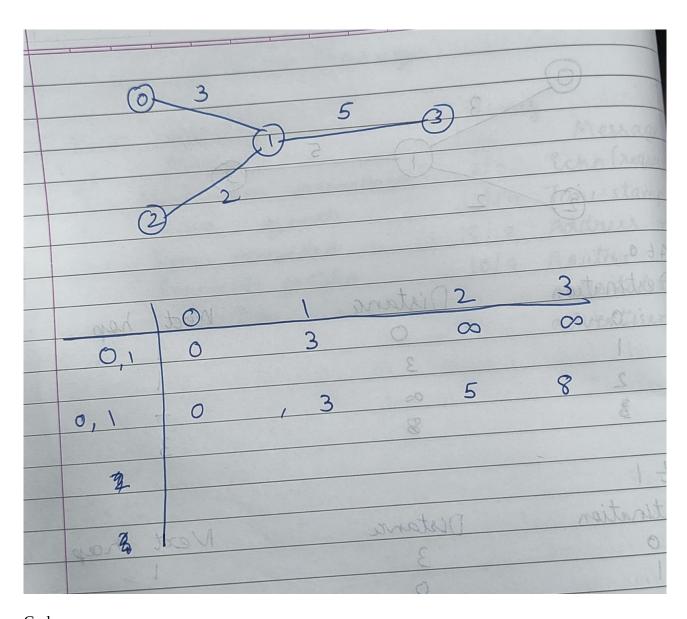
$Assignment \ 5$   $Aim-Simulation \ of \ Network \ with \ specific \ routing \ protocol(Link \ state)$ 

Destination Distance Next hep  O  At 2  At 1  Destination Dutance Next hep  O  1  2  2  2  3  At 2  Destination Distance Next hep  O  1  2  2  2  3  At 2  Destination Distance Next hep  O  O  At 2  Destination Distance Next hep  O  O  At 2  Destination Distance Next hep  O  O  O  O  O  O  O  O  O  O  O  O  O				Value of the state
At 2 Destination Distance  Destination  Distance  Destination  Distance  Destination  Distance  Destination  Distance  Distance  Destination  Distance  Dist				
At 2 Destination Distance  Destination  Distance  Destination  Distance  Destination  Distance  Destination  Distance  Distance  Destination  Distance  Dist		6		
Destination Distance West help  O	1			
Destination Distance Wood hop  O	1			3
Destination Distance Wood hop  O	2		2	
Destination Distance Next hop  O S  1 S  B S  At I  Destination Distance Next hop  O S  I I  I O I  2 2 2 2  3 5 3  At 2  Destination Distance Next hop  O S  I 2 1  Destination Distance Next hop  O S  I 2 1  I 2 1  I 2 1  I 2 1  I 3 I  I 1 I I I I I I I I I I I I I I I I	40	(2)		
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1	1	Destination		Voct hop
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o co  1 2 1 2 0 2 3 7 3  At 3  Destination Distance Northop  o 9 1 5 2 7 2				
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3  At 3  Destination Distance Northop  O 8  1  2  7  2			2	1
Destination Distance Northop  O 8  1  5  2  7		2	O	2
Destination Distance Northop  0 8  1 5  2 7 2		3	7	3
Destination Distance Northop  0 8  1 5  2 7 2				
Destination Distance Northop  0 8  1 5  2 7 2		At3		
0 8 1 5 2 7			Distance	Next hop
1 5 2 7 2				
2 7		1	5	1
		7		2 .
		1 1 1		
		3	O	3



Codeset ns [new Simulator] set nf [open out.nam w] \$ns namtrace-all \$nf set tr [open out.tr w] \$ns trace-all \$tr proc finish {} { global nf ns tr \$ns flush-trace close \$tr exec nam out.nam & exit 0 } set n0 [\$ns node] set n1 [\$ns node] set n2 [\$ns node] set n3 [\$ns node] \$ns duplex-link \$n0 \$n1 10Mb 10ms DropTail \$ns duplex-link \$n1 \$n3 10Mb 10ms DropTail \$ns duplex-link \$n2 \$n1 10Mb 10ms DropTail \$ns duplex-link-op \$n0 \$n1 orient right-down

\$ns duplex-link-op \$n1 \$n3 orient right \$ns duplex-link-op \$n2 \$n1 orient right-up set tcp [new Agent/TCP] \$ns attach-agent \$n0 \$tcp set ftp [new Application/FTP]

\$ftp attach-agent \$tcp

set sink [new Agent/TCPSink]

\$ns attach-agent \$n3 \$sink

set udp [new Agent/UDP]

\$ns attach-agent \$n2 \$udp

set cbr [new Application/Traffic/CBR]

\$cbr attach-agent \$udp

set null [new Agent/Null]

\$ns attach-agent \$n3 \$null

\$ns connect \$tcp \$sink

\$ns connect \$udp \$null

\$ns rtmodel-at 1.0 down \$n1 \$n3

\$ns rtmodel-at 2.0 up \$n1 \$n3

\$ns rtproto DV

\$ns at 0.0 "\$ftp start"

\$ns at 0.0 "\$cbr start"

\$ns at 5.0 "finish"

\$ns run

