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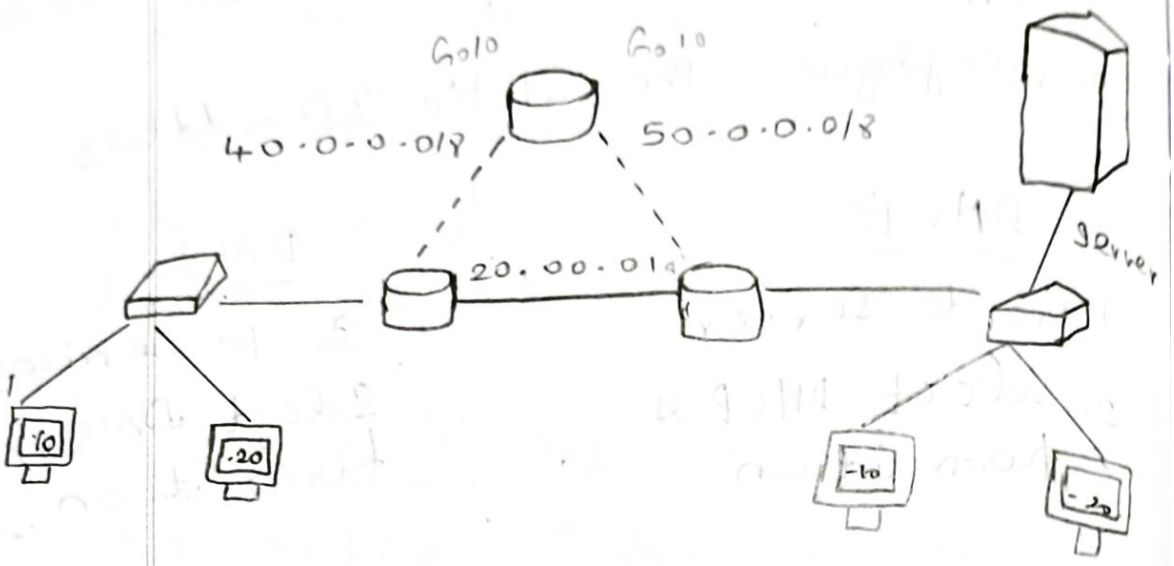
Simulate Static Routing



Adding Router

#iproute 30.0.0.0 255.0.0.0 20.0.0

#iprouter 30.0.0.0 255.0.0.0 40.0.0

Router	Available local	Network on other rout
Router 0	10.0.0.0.18, 20.0.00.18, 40.0.00.0/8	30.0.0.0-0/8, 50.0.0-0/8
Router 1	20.0.0.0.18, 30.0.0.0/8, 50.0.0.0/8	10.0.0.0/8, 40.0.0.0/8
Router 2	40.0.0.0/8, 50.0.0.0/8	10.0.0/8 20.00.0/8 30.0.0.0/8.

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Router 0

enable

Configure terminal

ip route 30.0.0.0 255.0.0.0 20.0.0.2 10

ip route 30.0.0.0 255.0.0.0 40.0.0.2 2

ip route 30.0.0.100 255.255.255.255 40.0.0.2 1

ip route 50.0.0.0 255.0.0.0 20.0.0.2 0

exit

Show ip route static

30.0.0.0/8 is variably subnetted, 2 subnets, 2 masks

S 30.0.0.0/8 [10/0] via 20.0.0.2

S 30.0.0.100/32 [10/0] via 40.0.0.2

S 50.0.0.0/8 [10/0] via 40.0.0.2

Router 1

enable

Configure terminal

ip route 10.0.0.0 255.0.0.0 20.0.0.1

ip route 10.0.0.0 255.0.0.0 50.0.0.1 10

ip route 10.0.0.0 255.0.0.0 30.0.0.1 20

Exit.

Show ip route static

S 10.0.0.0/8 [10/0] via 20.0.0.1

S 40.0.0.0/8 [10/0] via 20.0.0.1

Router 2

enable

configure terminal

ip router 10.0.0.0 255.0.0.0 40.0.0.1

ip router 30.0.0.0 255.0.0.0 50.0.0.2

exit

show ip router static

S 10.0.0.0/8 [0/0] via 40.0.0.1

S 30.0.0.0/8 [1/0] via 50.0.0.2

Result:

Thus, the program is executed successfully.