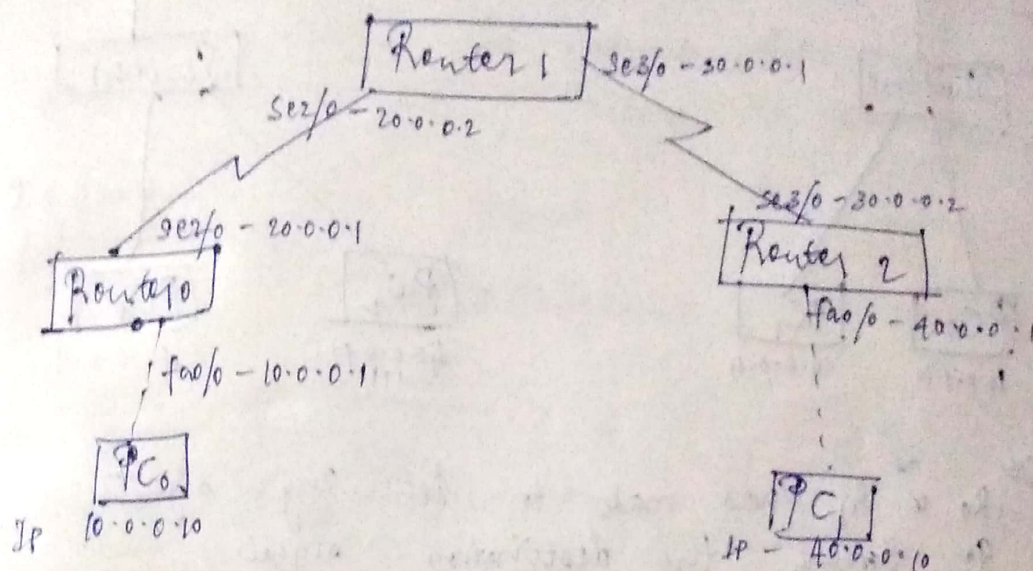


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Configuring default route to the Router. Static Route

Topology



→ A default route is the route that takes effect when there is no other route available for an IP_{destination} address.

→ If no default route is set, the router will discard all packets with destination addresses not found in routing table.

OBSERVATIONS

- Then R0 knows about 10.0.0.0 and 20.0.0.0
- R1 knows about 20.0.0.0 and 30.0.0.0
- R2 knows about 30.0.0.0 and 40.0.0.0

Each router knows only about its immediate neighbouring signal. It doesn't know anything beyond that.

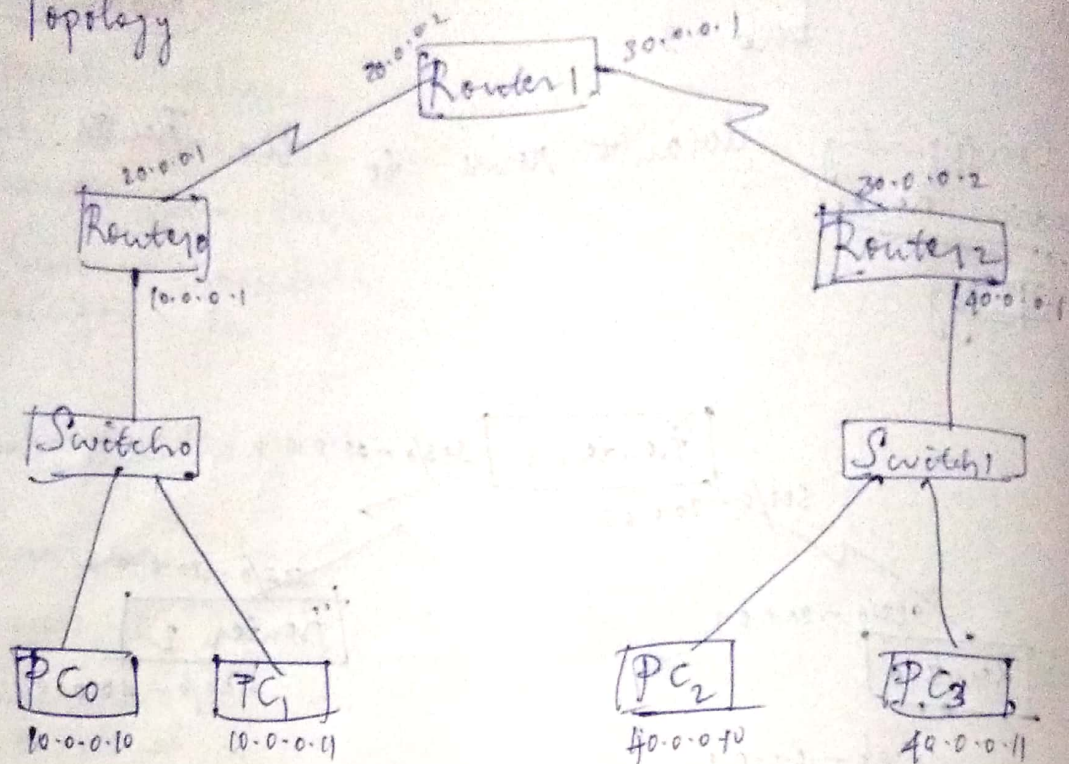
Therefore default routes need to be set to the router.

Default route to R0 is

ip route	30.0.0.0	255.0.0.0	20.0.0.2
ip route	40.0.0.0	255.0.0.0	20.0.0.2

Default Route

Topology



Here

R₀ & R₂ was made to let any signals go through the destination signals

Assigning IP address statically to R₁

ip route	10.0.0.0	255.0.0.0	20.0.0.1
ip route	40.0.0.0	255.0.0.0	30.0.0.2

CLI for Router 0:

```
ip route 0.0.0.0 0.0.0.0 20.0.0.2
```

CLI for Router 2:

```
ip route 0.0.0.0 0.0.0.0 30.0.0.1
```