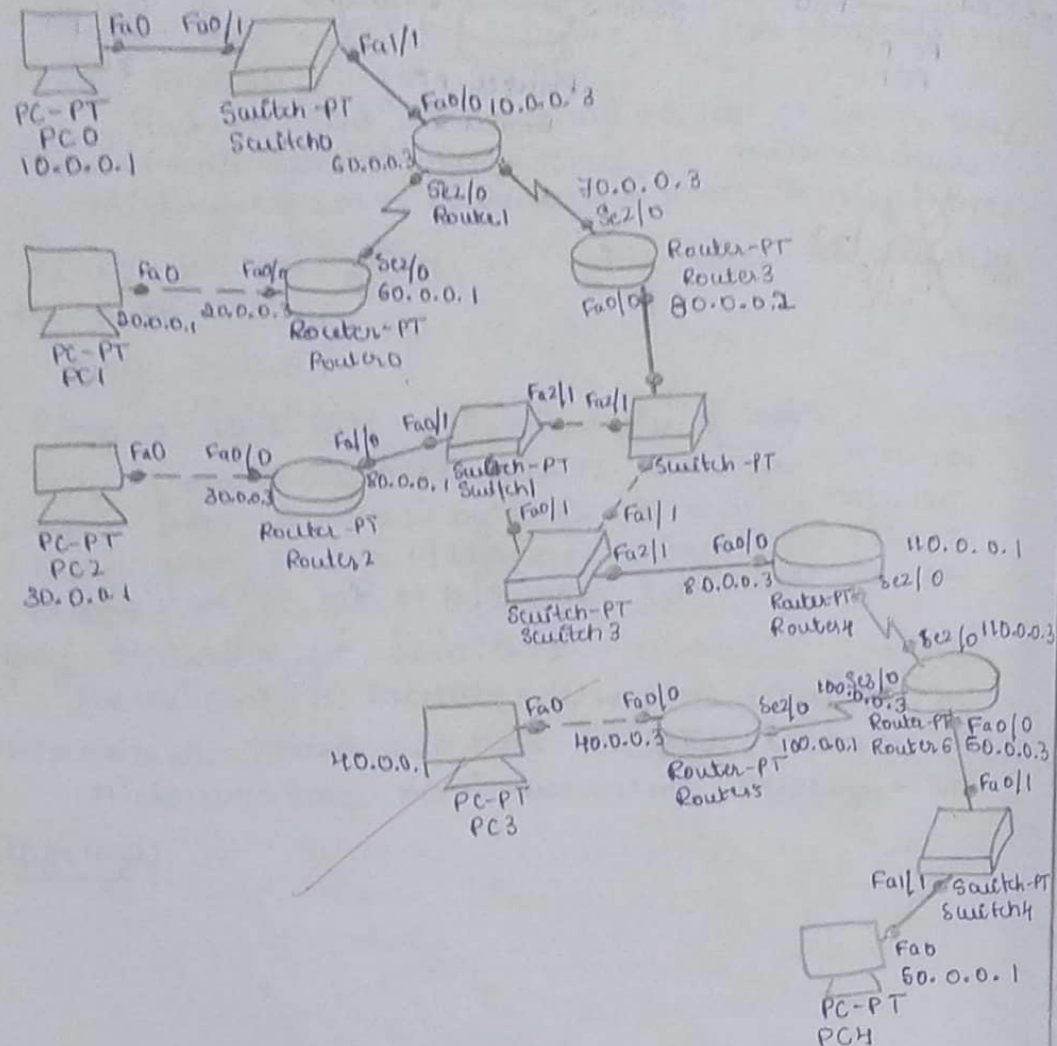# Configure default route, static route to the Router

Configure default route, static route to the router.

Aim : To configure default route and static route
to the router.

Topology :

Procedure:
- Place 5 PCs, 5 switchs and 4 routers on workspace
- Connect all devices.
- Set the ip address of all PC's
- Set the static configuration of all routers.
- Set the default configuration of Router 0, Router 2 and Router 5.
- Send the packages from a PC to another PC

Result: In PC0
ping 50.0.0.1
pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes = 32 time=0ms TTL=127
Reply from 50.0.0.1: bytes = 32 time=0ms TTL=127
Reply from 50.0.0.1: bytes = 32 time=0ms TTL=127
Reply from 50.0.0.1: bytes = 32 time=0ms TTL=127

Ping statistics for 50.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% Loss),
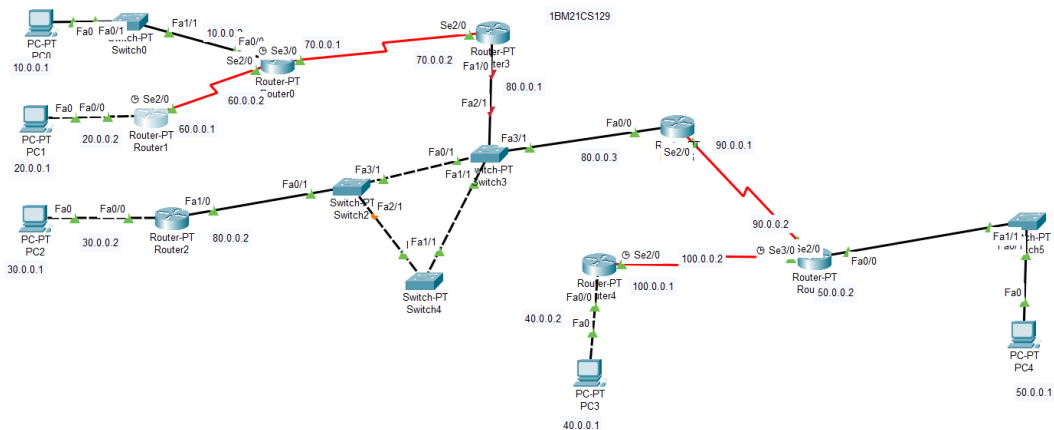Approximate round trip times in milli-seconds:
Minimum=0ms, Maximum=0ms, Average=0ms.

Observation:
Default route is done in router0, router2 & router5 since there is only one path available for it transfer the packets.

3/7/2²

Topology:

Output:


```
C:\>ping 90.0.0.2

Pinging 90.0.0.2 with 32 bytes of data:

Reply from 90.0.0.2: bytes=32 time=12ms TTL=252
Reply from 90.0.0.2: bytes=32 time=2ms TTL=252
Reply from 90.0.0.2: bytes=32 time=10ms TTL=252
Reply from 90.0.0.2: bytes=32 time=2ms TTL=252

Ping statistics for 90.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 12ms, Average = 6ms

C:\>ping 40.0.0.1

Pinging 40.0.0.1 with 32 bytes of data:

Request timed out.
Reply from 40.0.0.1: bytes=32 time=3ms TTL=123
Reply from 40.0.0.1: bytes=32 time=3ms TTL=123
Reply from 40.0.0.1: bytes=32 time=3ms TTL=123

Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 3ms, Average = 3ms

C:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Request timed out.
Reply from 50.0.0.1: bytes=32 time=3ms TTL=124
Reply from 50.0.0.1: bytes=32 time=6ms TTL=124
Reply from 50.0.0.1: bytes=32 time=2ms TTL=124

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 6ms, Average = 3ms

C:\>
```