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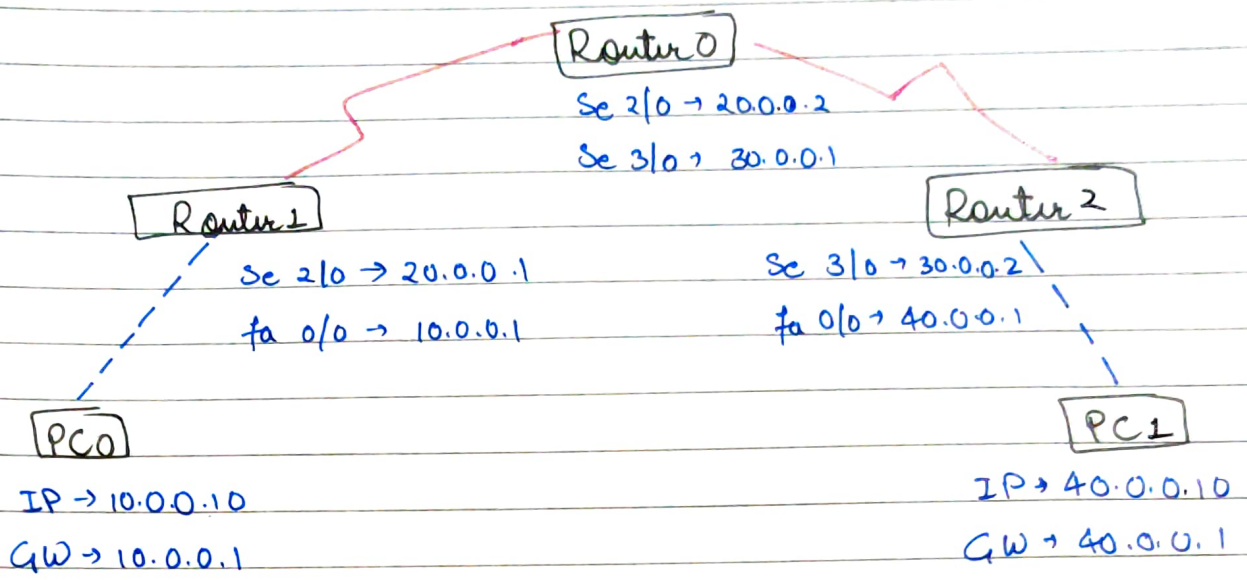
08/10/2020

Exp.3.



Gateway Observation

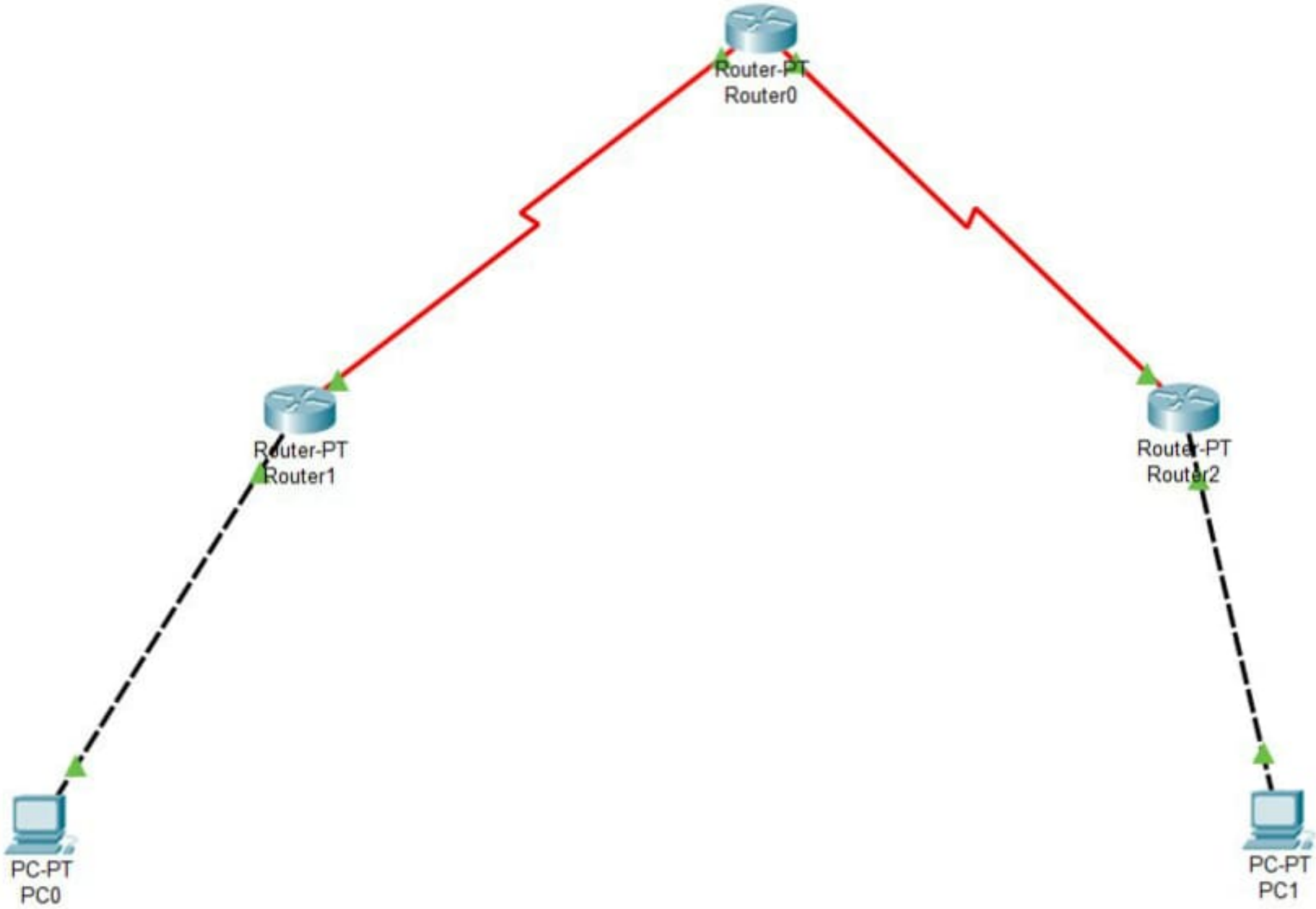
→ Each router knows only about its immediate neighbouring signals

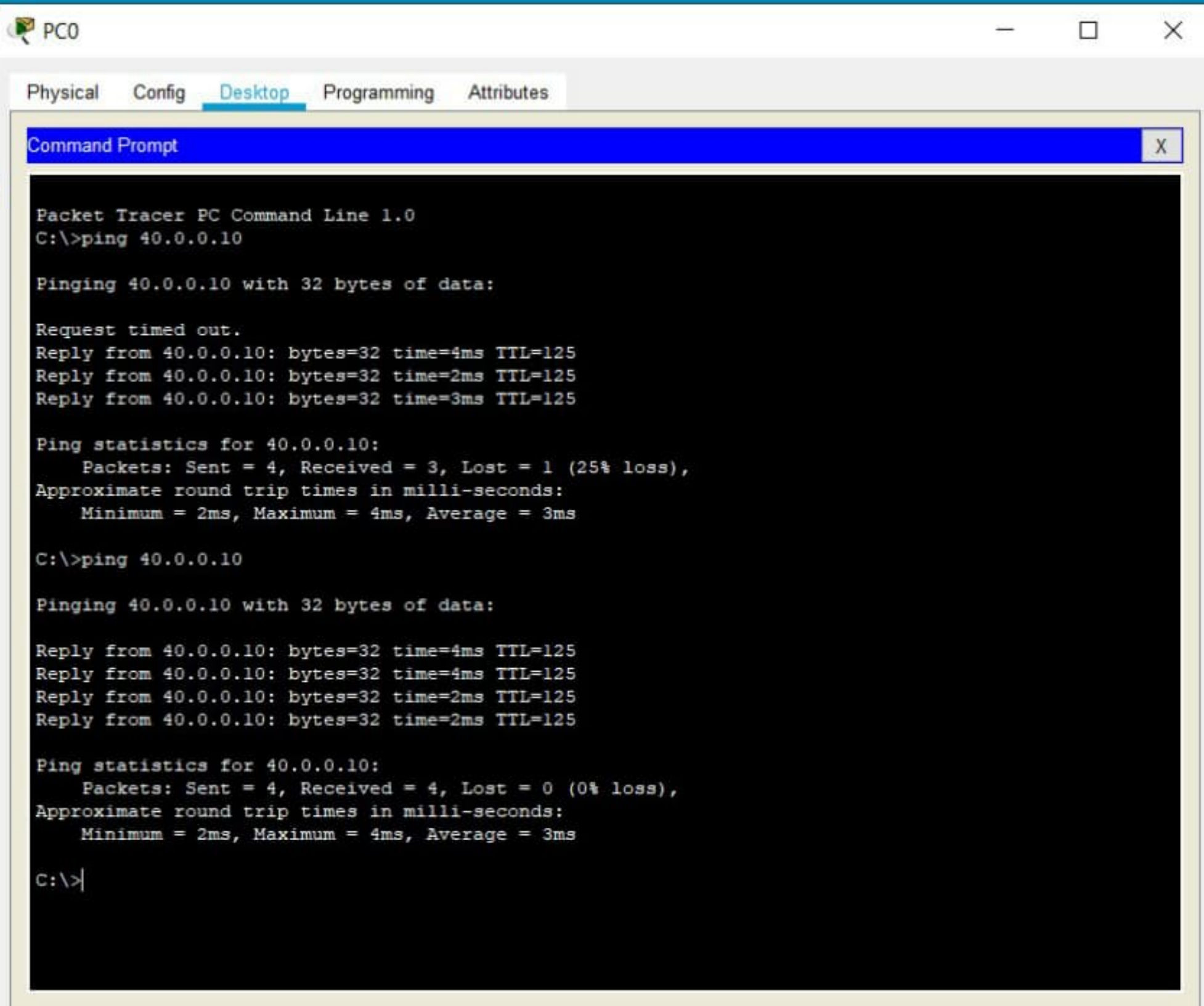
→ R_1 knows about 10.0.0.0 & 20.0.0.0
R_2 knows about 30.0.0.0 & 40.0.0.0
R_0 knows about 20.0.0.0 & 30.0.0.0

→ To knows about further signals, is should go beyond its end points.

Commands in CLI (for Router 2)

```
Router > enable
Router # config t
Router (config) # ip route 20.0.0.0 255.0.0.0 30.0.0.1
Router (config) # ip route 10.0.0.0 255.0.0.0 30.0.0.1
Router (config) # exit
Router # show ip route
```


Router-PT
Router0
Router-PT
Router1
Router-PT
Router2
PC-PT
PC0
PC-PT
PC1


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ping 40.0.0.10
Pinging 40.0.0.10 with 32 bytes of data:
Request timed out.
Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
Reply from 40.0.0.10: bytes=32 time=2ms TTL=125
Reply from 40.0.0.10: bytes=32 time=3ms TTL=125
Ping statistics for 40.0.0.10:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 4ms, Average = 3ms
C:\>ping 40.0.0.10
Pinging 40.0.0.10 with 32 bytes of data:
Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
Reply from 40.0.0.10: bytes=32 time=4ms TTL=125
Reply from 40.0.0.10: bytes=32 time=2ms TTL=125
Reply from 40.0.0.10: bytes=32 time=2ms TTL=125
Ping statistics for 40.0.0.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 4ms, Average = 3ms
C:\>