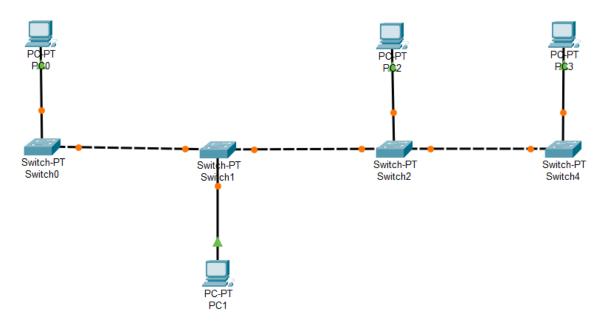
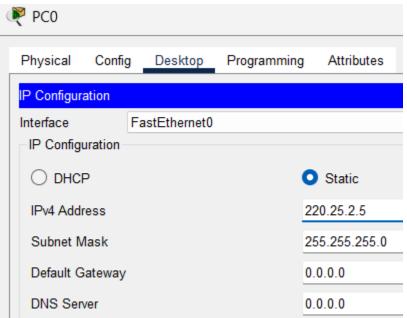
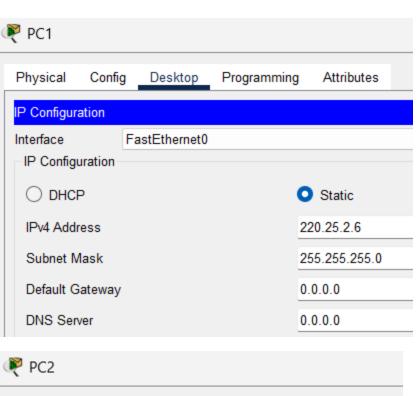
Muhammad Basil k

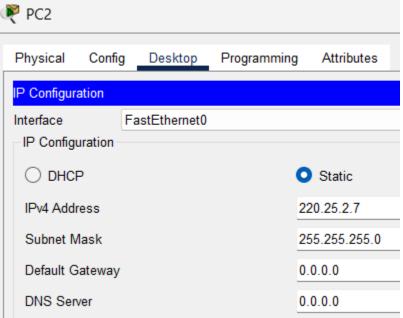
AM.EN.U4ECE22025

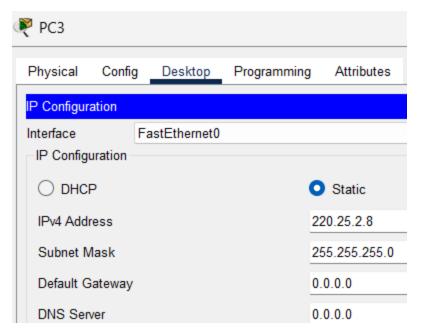
Bus topology:











```
C:\>ping 220.25.2.8

Pinging 220.25.2.8 with 32 bytes of data:

Reply from 220.25.2.8: bytes=32 time=11ms TTL=128
Reply from 220.25.2.8: bytes=32 time=10ms TTL=128

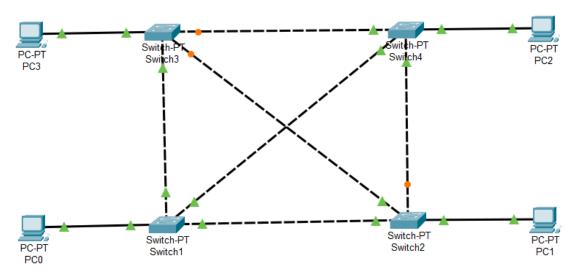
Ping statistics for 220.25.2.8:

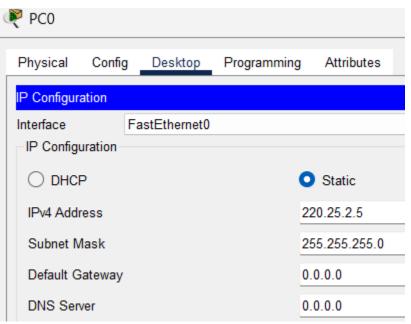
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

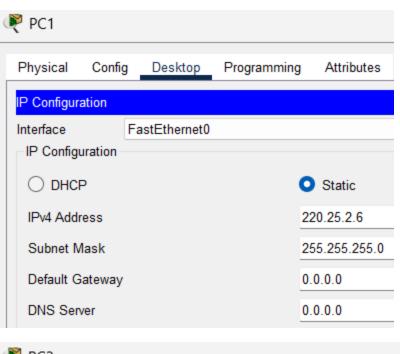
Minimum = 10ms, Maximum = 11ms, Average = 10ms

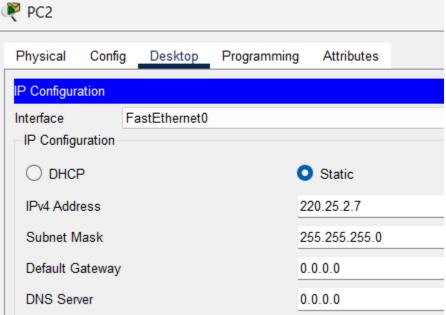
C:\>
```

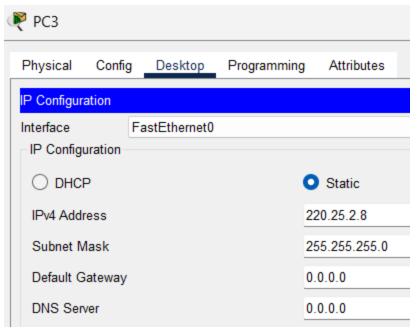
Mesh topology:











```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 220.25.2.7

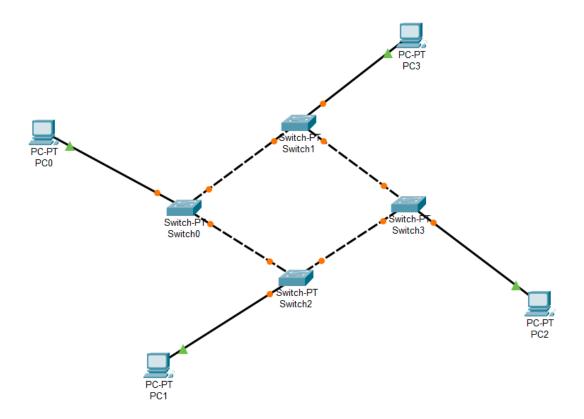
Pinging 220.25.2.7 with 32 bytes of data:

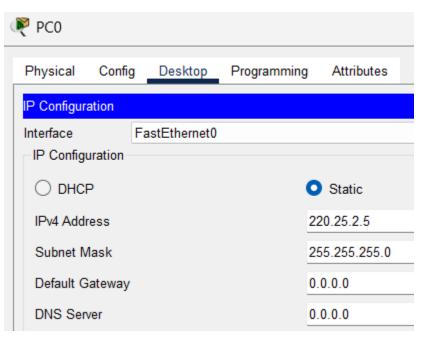
Reply from 220.25.2.7: bytes=32 time=9ms TTL=128
Reply from 220.25.2.7: bytes=32 time=8ms TTL=128

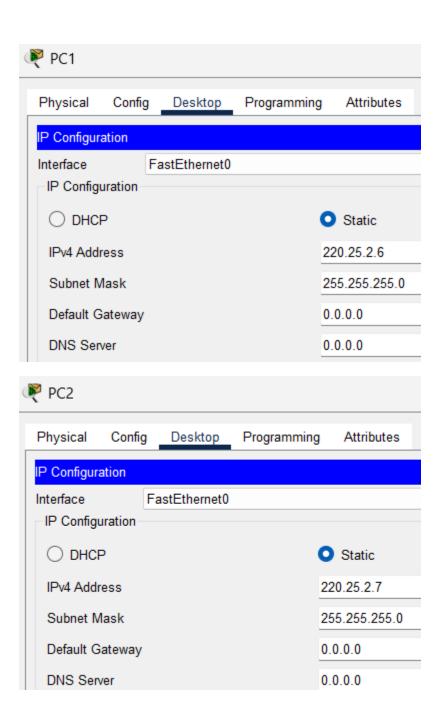
Ping statistics for 220.25.2.7:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 9ms, Average = 8ms

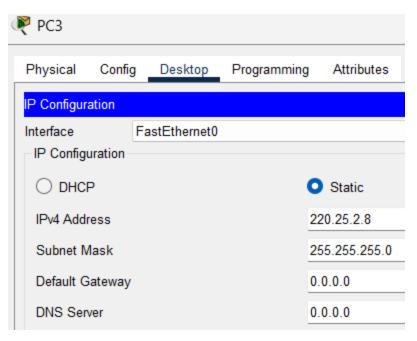
C:\>
```

Ring topology:









```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 220.25.2.8

Pinging 220.25.2.8 with 32 bytes of data:

Reply from 220.25.2.8: bytes=32 time=7ms TTL=128
Reply from 220.25.2.8: bytes=32 time=6ms TTL=128
Reply from 220.25.2.8: bytes=32 time=6ms TTL=128
Reply from 220.25.2.8: bytes=32 time=6ms TTL=128

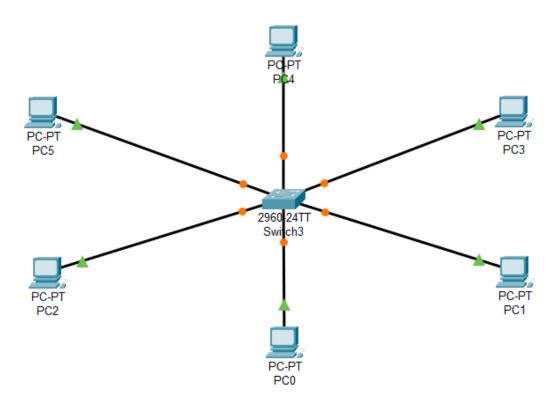
Ping statistics for 220.25.2.8:

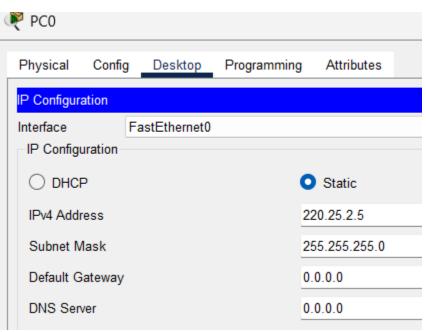
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

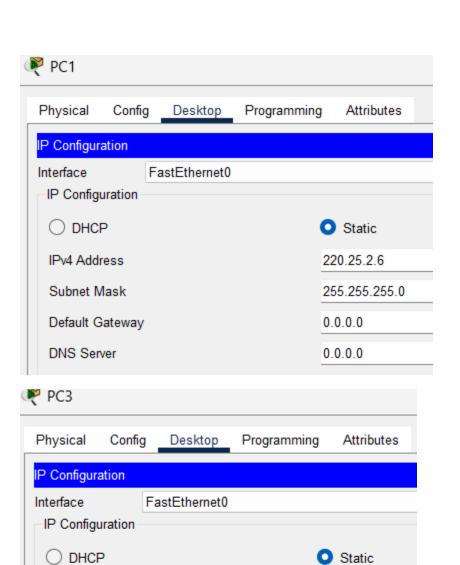
Minimum = 6ms, Maximum = 7ms, Average = 6ms

C:\>
```

Star topology:







220.25.2.7

0.0.0.0

0.0.0.0

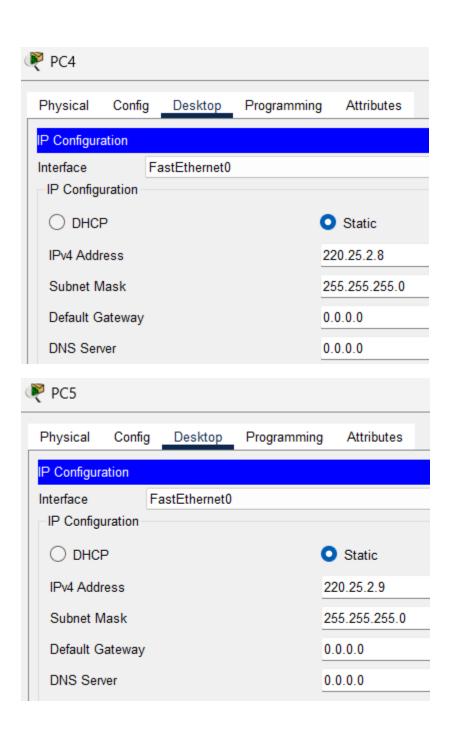
255.255.255.0

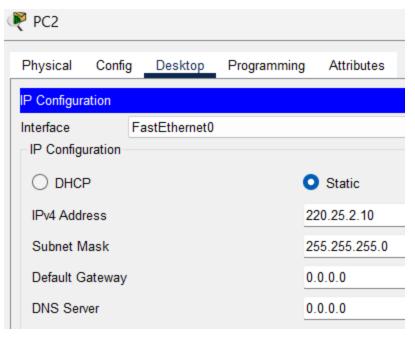
IPv4 Address

Subnet Mask

DNS Server

Default Gateway





```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 220.25.2.6

Pinging 220.25.2.6 with 32 bytes of data:

Reply from 220.25.2.6: bytes=32 time=5ms TTL=128
Reply from 220.25.2.6: bytes=32 time=4ms TTL=128
Reply from 220.25.2.6: bytes=32 time=4ms TTL=128
Reply from 220.25.2.6: bytes=32 time=4ms TTL=128

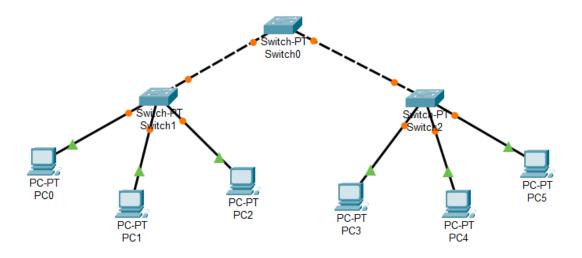
Ping statistics for 220.25.2.6:

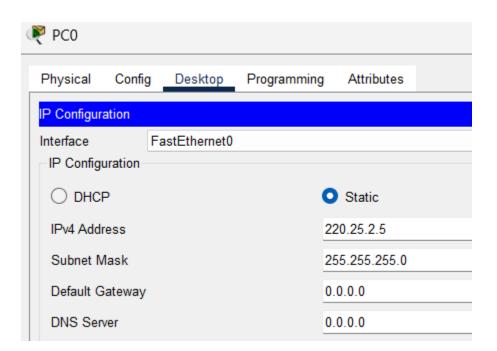
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

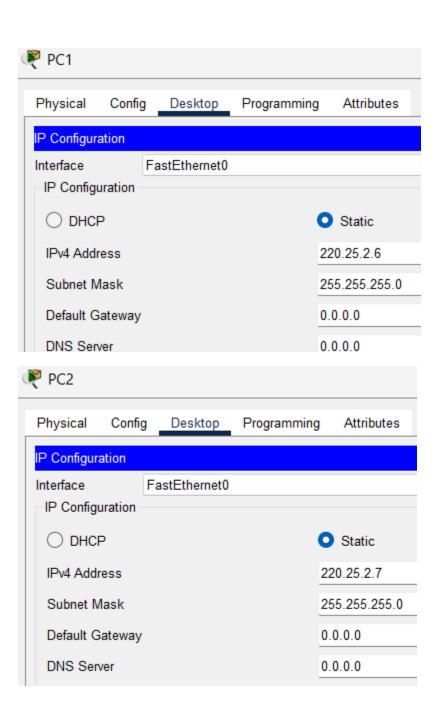
Minimum = 4ms, Maximum = 5ms, Average = 4ms

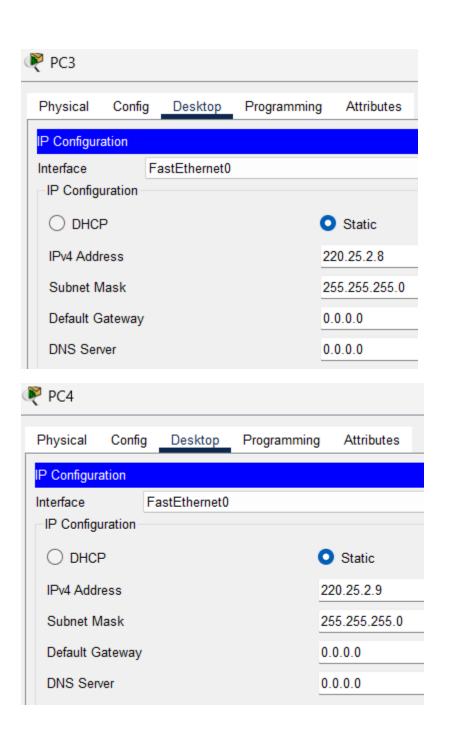
C:\>
```

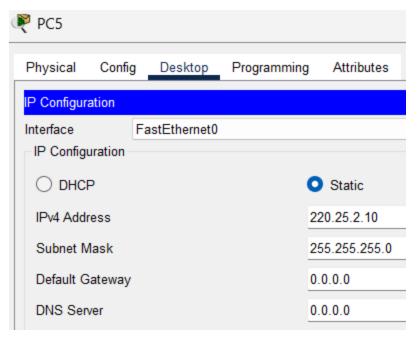
Tree topology:











```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 220.25.2.8

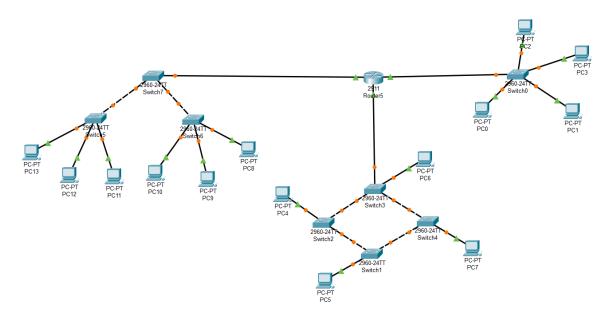
Pinging 220.25.2.8 with 32 bytes of data:

Reply from 220.25.2.8: bytes=32 time=9ms TTL=128
Reply from 220.25.2.8: bytes=32 time=8ms TTL=128

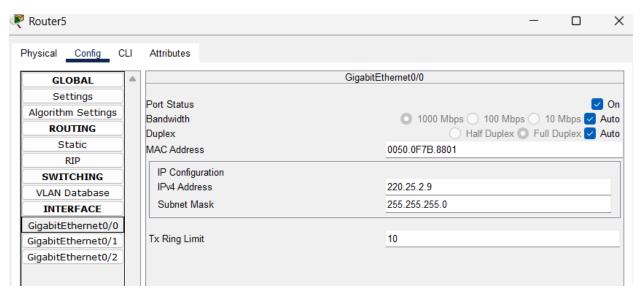
Ping statistics for 220.25.2.8:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 9ms, Average = 8ms

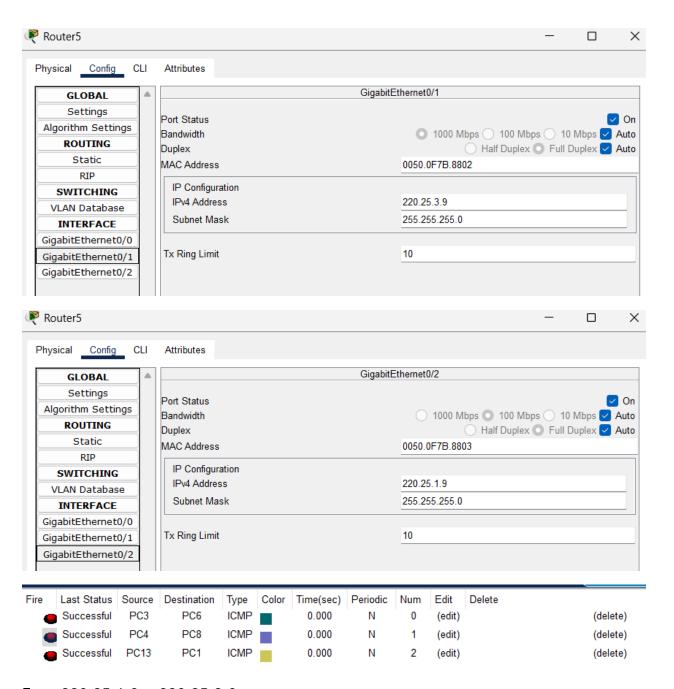
C:\>
```

Q2) 3 LAN network connected via single router:

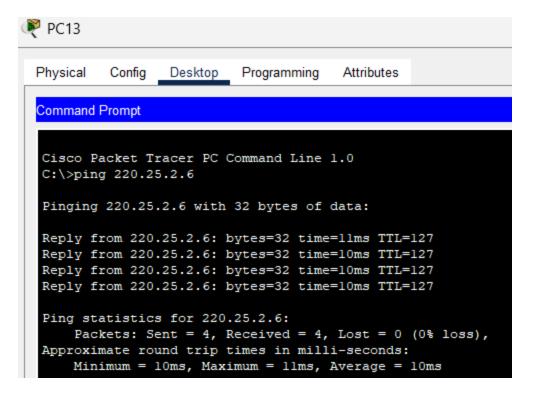


Router config for each Topology:

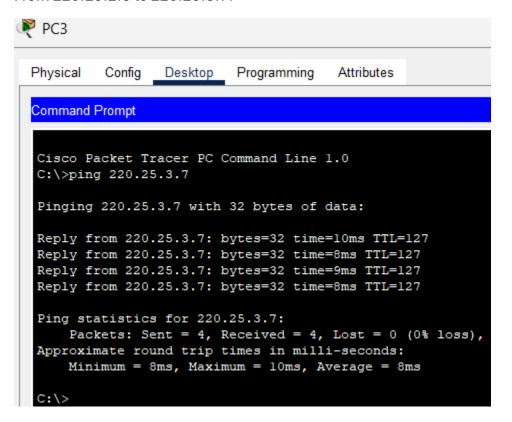




From 220.25.1.8 to 220.25.2.6:



From 220.25.2.8 to 220.25.3.7:





Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 220.25.1.3

Pinging 220.25.1.3 with 32 bytes of data:

Reply from 220.25.1.3: bytes=32 time=17ms TTL=127
Reply from 220.25.1.3: bytes=32 time=16ms TTL=127
Reply from 220.25.1.3: bytes=32 time=16ms TTL=127
Reply from 220.25.1.3: bytes=32 time=16ms TTL=127

Ping statistics for 220.25.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 16ms, Maximum = 17ms, Average = 16ms

C:\>
```