

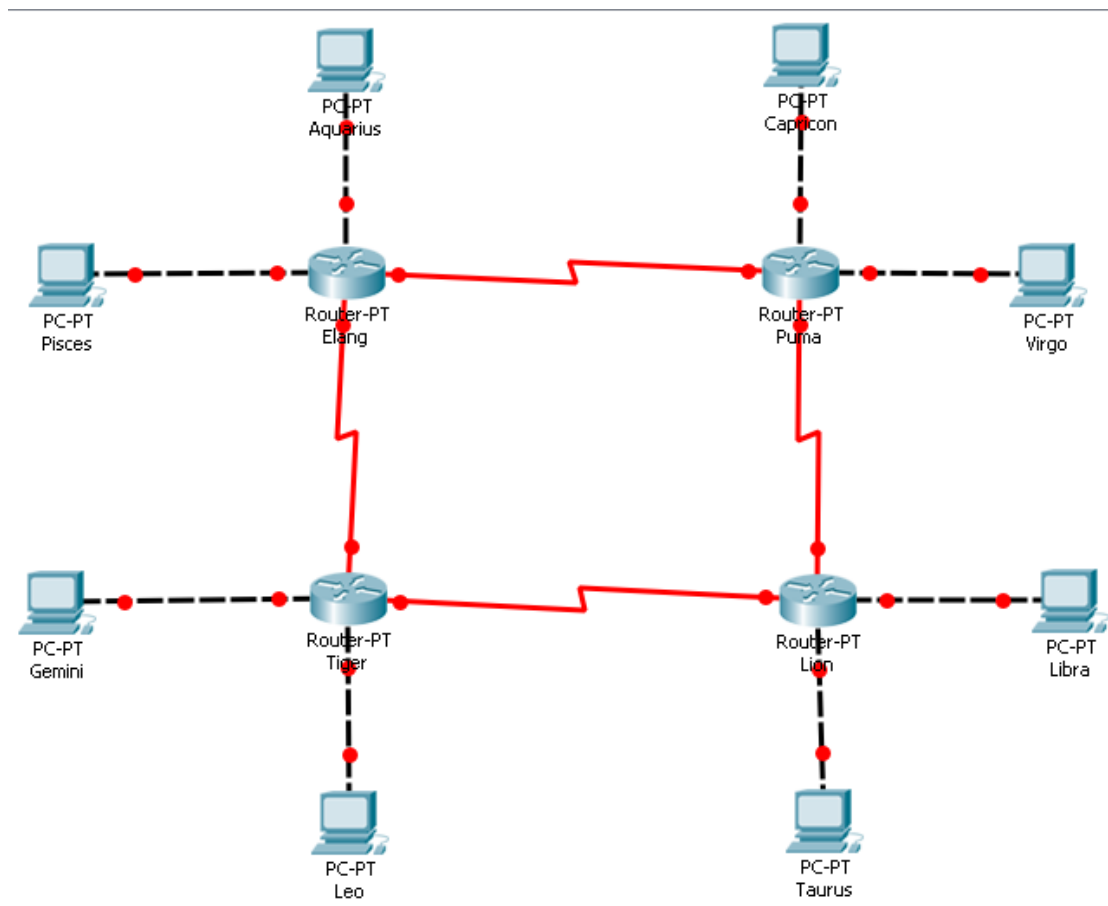
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Kelas : D –Prak.JarKom

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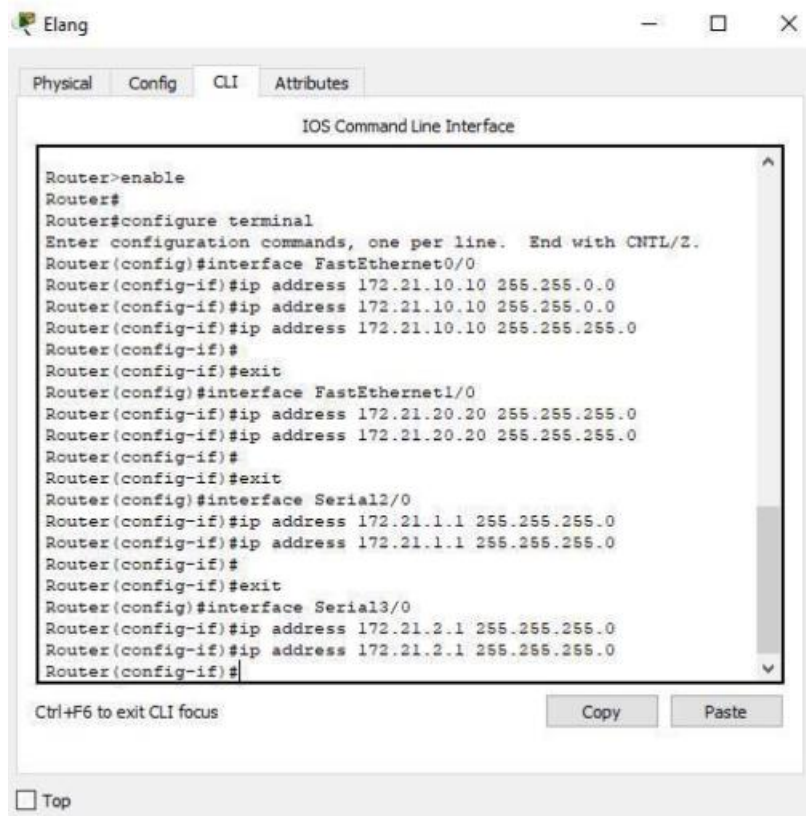
Tugas Modul 7

1. Gambar dari Topologi dibuat

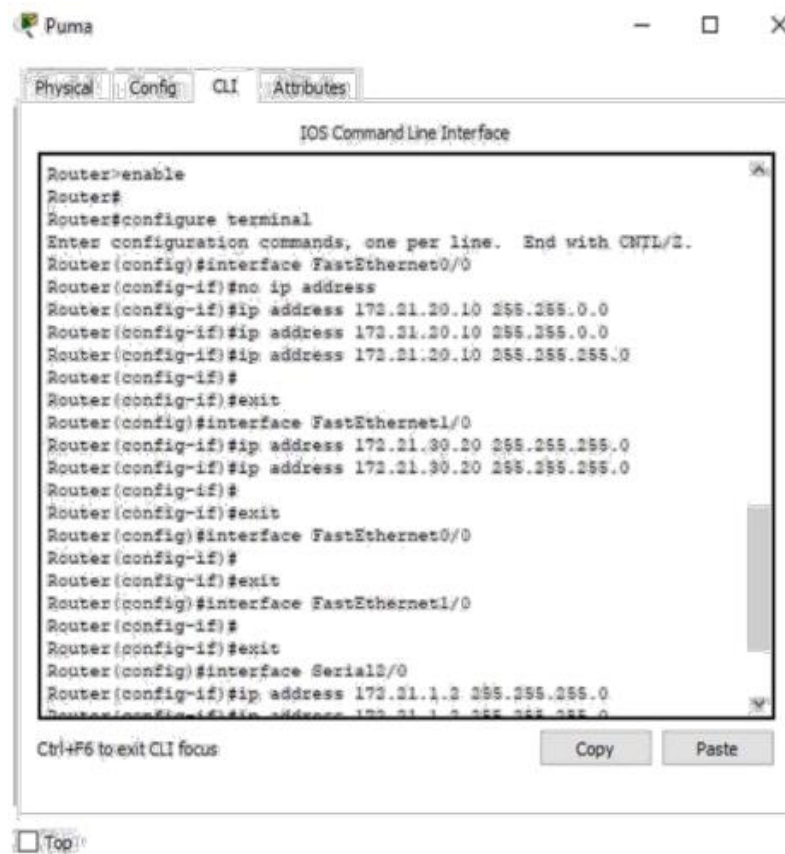


2. Konfigurasi Tiap-tiap router

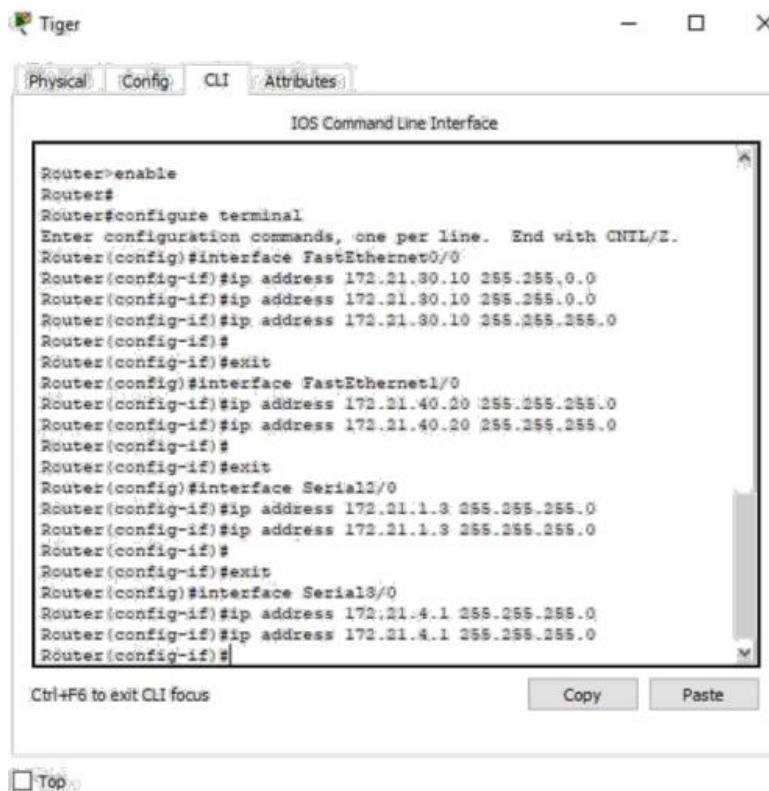
a). Router Elang



b). Router Puma



c) Router Tiger

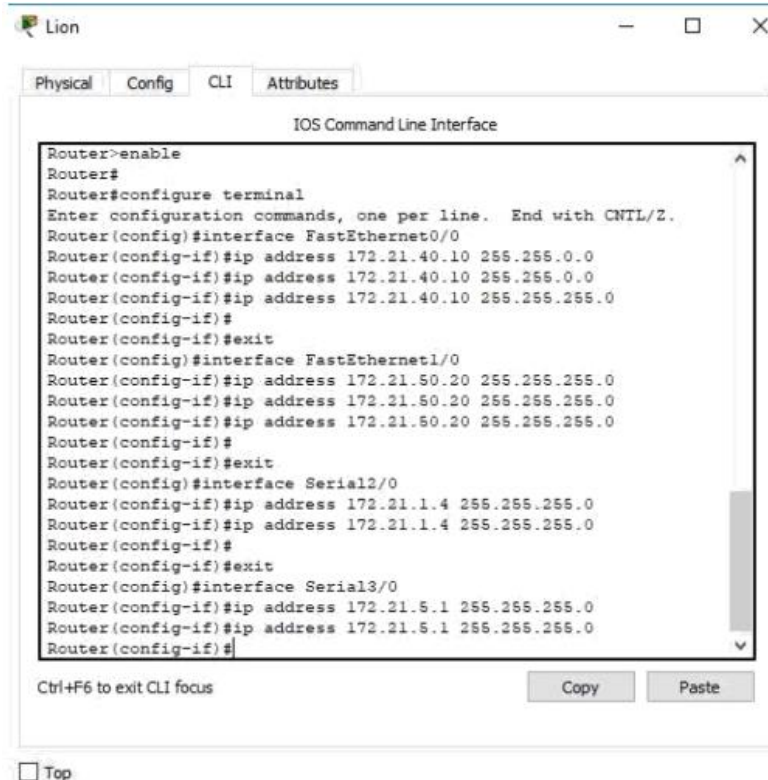


The screenshot shows a window titled "Tiger" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the "IOS Command Line Interface". The terminal text is as follows:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 172.21.30.10 255.255.0.0
Router(config-if)#ip address 172.21.30.10 255.255.0.0
Router(config-if)#ip address 172.21.30.10 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#ip address 172.21.40.20 255.255.255.0
Router(config-if)#ip address 172.21.40.20 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#ip address 172.21.1.3 255.255.255.0
Router(config-if)#ip address 172.21.1.3 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial3/0
Router(config-if)#ip address 172.21.4.1 255.255.255.0
Router(config-if)#ip address 172.21.4.1 255.255.255.0
Router(config-if)#
```

Below the terminal window, there is a text "Ctrl+F6 to exit CLI focus" and two buttons: "Copy" and "Paste". At the bottom left, there is a "Top" button.

d) Router Lion

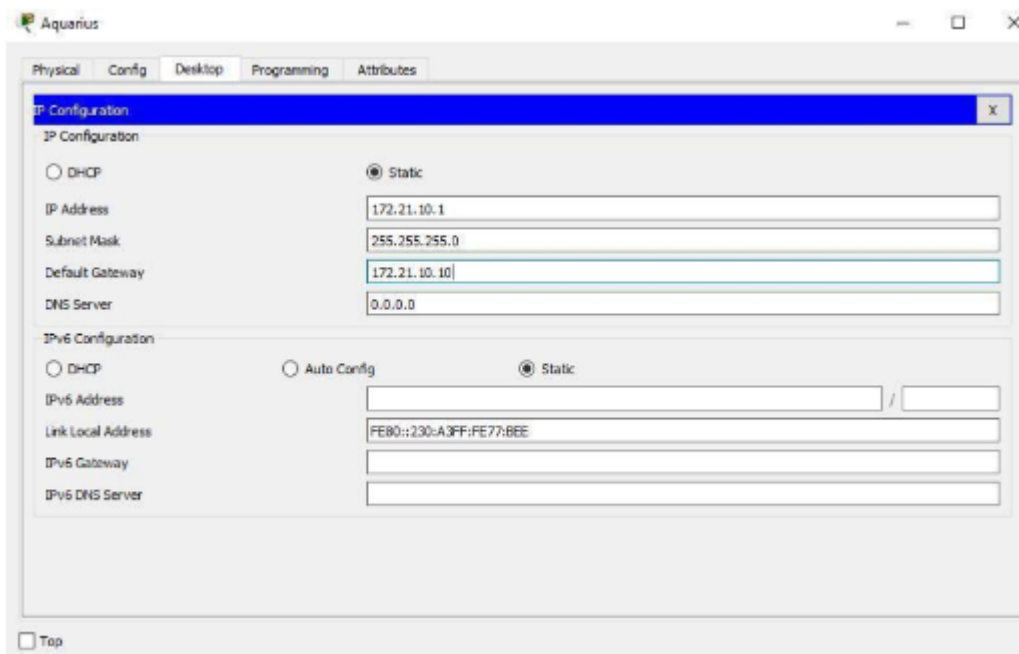


The screenshot shows a window titled "Lion" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the "IOS Command Line Interface". The terminal text is as follows:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 172.21.40.10 255.255.0.0
Router(config-if)#ip address 172.21.40.10 255.255.0.0
Router(config-if)#ip address 172.21.40.10 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#ip address 172.21.50.20 255.255.255.0
Router(config-if)#ip address 172.21.50.20 255.255.255.0
Router(config-if)#ip address 172.21.50.20 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#ip address 172.21.1.4 255.255.255.0
Router(config-if)#ip address 172.21.1.4 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial3/0
Router(config-if)#ip address 172.21.5.1 255.255.255.0
Router(config-if)#ip address 172.21.5.1 255.255.255.0
Router(config-if)#
```

Below the terminal window, there is a text "Ctrl+F6 to exit CLI focus" and two buttons: "Copy" and "Paste". At the bottom left, there is a "Top" button.

3. Konfigurasi setiap PC (Contoh PC Aquarius)



4. Cek koneksi PING

a). PC Aquarius ke Router Elang

```
C:\>ping 172.21.10.10

Pinging 172.21.10.10 with 32 bytes of data:

Reply from 172.21.10.10: bytes=32 time=108ms TTL=255
Reply from 172.21.10.10: bytes=32 time<1ms TTL=255
Reply from 172.21.10.10: bytes=32 time<1ms TTL=255
Reply from 172.21.10.10: bytes=32 time<1ms TTL=255

Ping statistics for 172.21.10.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 108ms, Average = 27ms
```

b). Router Elang ke Router Puma

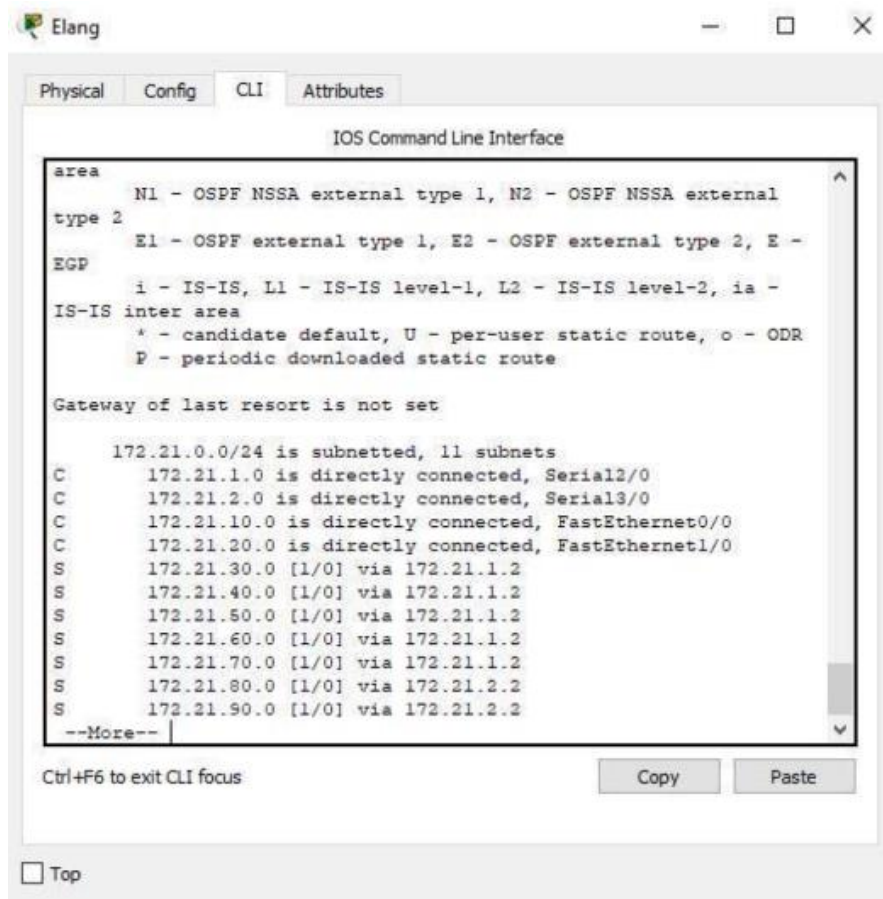
```
Router#ping 172.21.1.2

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.21.1.2, timeout is 2
seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max =
1/3/11 ms
```

5. Melakukan Routing di Router Elang

```
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.20.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.40.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.50.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.60.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.70.0 255.255.255.0 172.21.1.2
Router(config)#ip route 172.21.80.0 255.255.255.0 172.21.2.2
Router(config)#ip route 172.21.90.0 255.255.255.0 172.21.2.2
Router(config)#
```

6. Menampilkan IP router Elang



7. PING dari PC Pisces ke PC Libra

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.50.1

Pinging 172.21.50.1 with 32 bytes of data:

Request timed out.
Reply from 172.21.50.1: bytes=32 time=13ms TTL=125
Reply from 172.21.50.1: bytes=32 time=5ms TTL=125
Reply from 172.21.50.1: bytes=32 time=13ms TTL=125

Ping statistics for 172.21.50.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 5ms, Maximum = 13ms, Average = 10ms
```