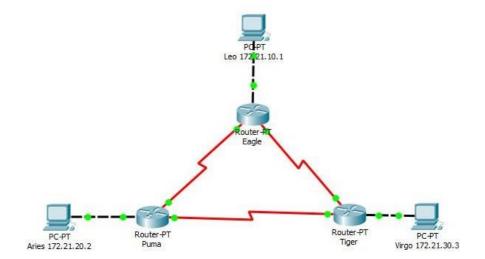
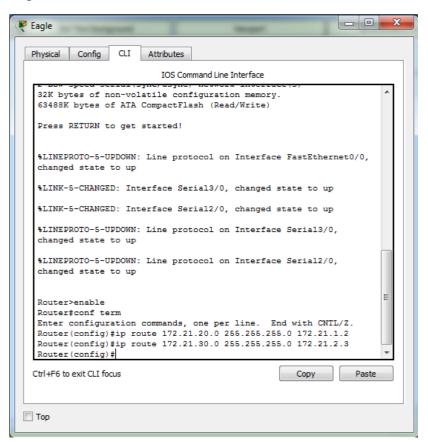
Name: Shidqi Aditya Falah NIM: L202173001

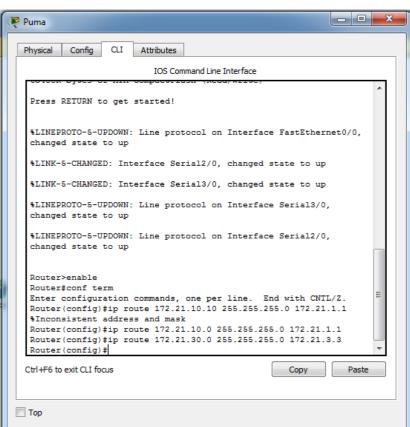
Class: X

KEGIATAN 1



Tugas 11A:





```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

Request timed out.

Reply from 172.21.20.2: bytes=32 time=1ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Ping statistics for 172.21.20.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 3ms, Average = 2ms

C:\>ping 172.21.20.2

Pinging 172.21.20.2 with 32 bytes of data:

Reply from 172.21.20.2: bytes=32 time=2ms TTL=126

Reply from 172.21.20.2: bytes=32 time=2ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Reply from 172.21.20.2: bytes=32 time=2ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Reply from 172.21.20.2: bytes=32 time=2ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Reply from 172.21.20.2: bytes=32 time=2ms TTL=126

Reply from 172.21.20.2: bytes=32 time=3ms TTL=126

Reply from 172.21.20.2: bytes=32 time=2ms TTL=126

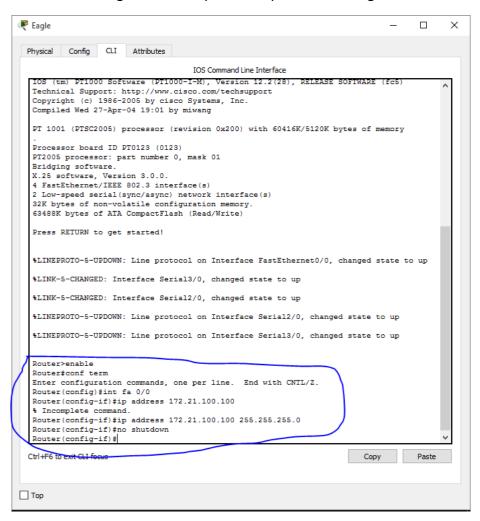
Reply from 172.2
```

Tugas 12A:

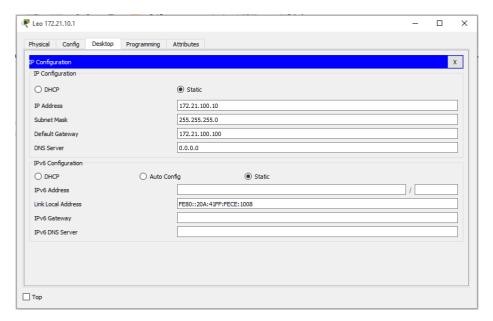
Iya mendapatkan tanggapan dari Puma. Hal ini dikarenakan telah dibuat peroutingan untuk data lewat melalui jalur yang mana.

Tugas 12B:

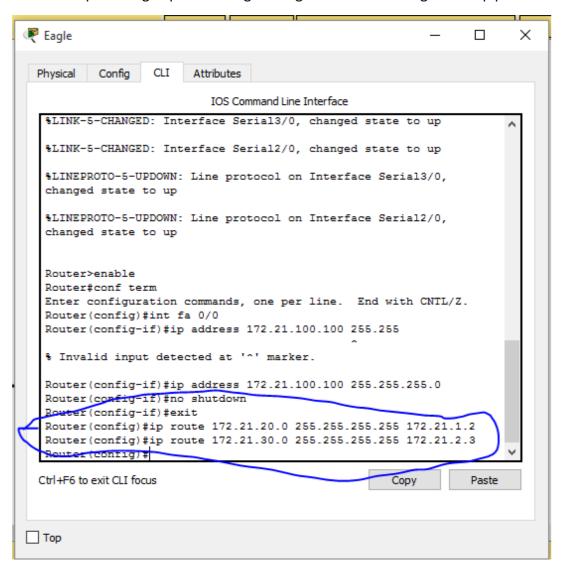
1. Lakukan konfigurasi untuk ip address pada router eagle

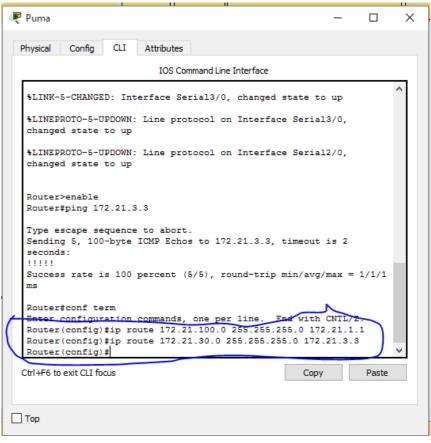


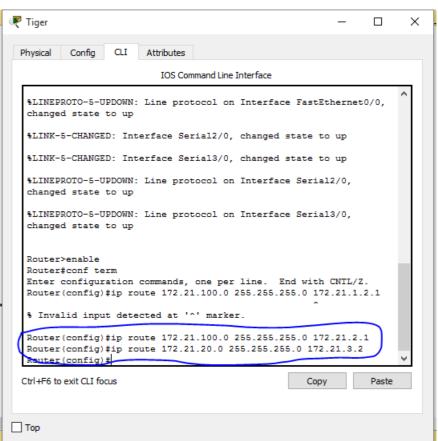
2. Lakukan konfigurasi ip pada pc leo dan ubah default gateway.



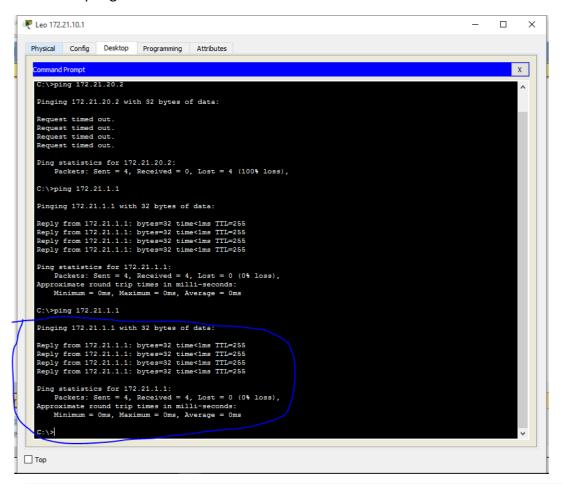
3. Lakukan peroutingan pada masing-masing router sesuai dengan blok ip pc

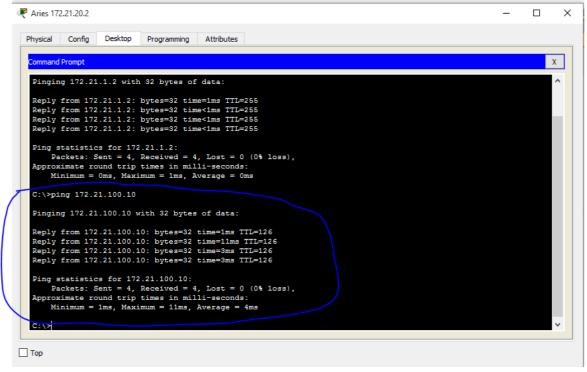






4. Lakukan pengecekan





```
Physical Config Desktop Programming Attributes

Command Prompt

Pinging 172.21.3.3 with 32 bytes of data:

Reply from 172.21.3.3: bytes=32 time=1ms TIL=255
Reply from 172.21.3.3: bytes=32 time(ims TIL=255)
Pang statistics for 172.21.3.3:
Packets: Sent = 4, Received = 4, Lost = 0 (04 loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms

S(N>ping 172.21.100.10

Pinging 172.21.100.10: bytes=32 time=1ms TIL=126
Reply from 172.21.100.10: bytes=32 t
```

KEGIATAN 2

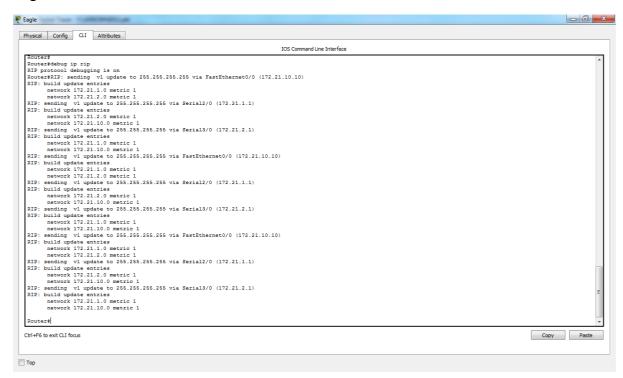
Tugas 4A:

```
₽ Eagle
 Physical Config CLI Attributes
                       IOS Command Line Interface
   clock rate 2000000
   interface Serial3/0
   ip address 172.21.2.1 255.255.255.0 clock rate 2000000
   interface FastEthernet4/0
   no ip address
    shutdown
   interface FastEthernet5/0
   no ip address
    shutdown
   router rip
    network 172.21.0.0
   ip classless
   ip flow-export version 9
     -More--
  Ctrl+F6 to exit CLI focus
                                               Copy Paste
Пор
```

Tugas 4B:

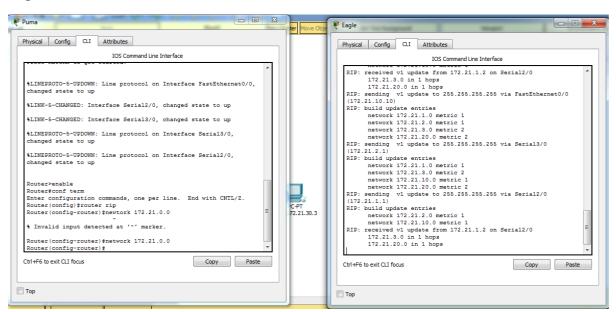
Karena network 172.21.0.0 sudah mencakup semua alamat jariangan lain.

Tugas 5A:



Debug berfungsi melihat transaksi yang terjadi.

Tugas 6A dan 6B:

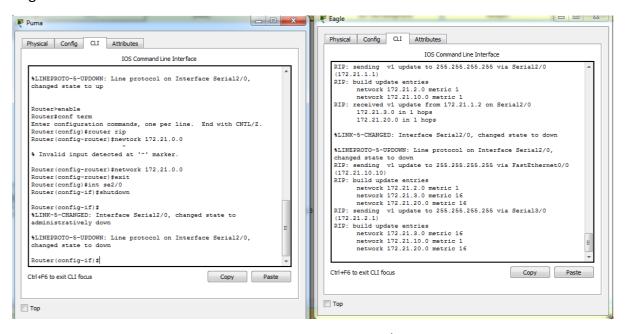


Setelah router Puma dilakukan routing rip maka pada router eagle secara otomatis mengupdate entries untuk routing rip.

Tugas 6C:

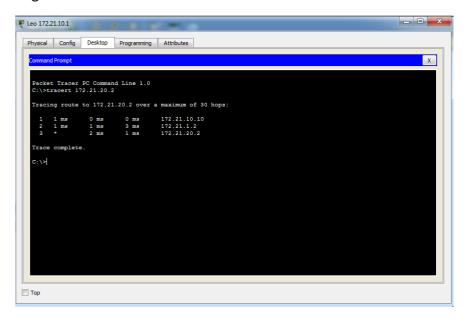
Tidak perlu. Hal tersebut karena network yang dipakai adalah 172.21.0.0 yang dimana masih dalam satu jaringan.

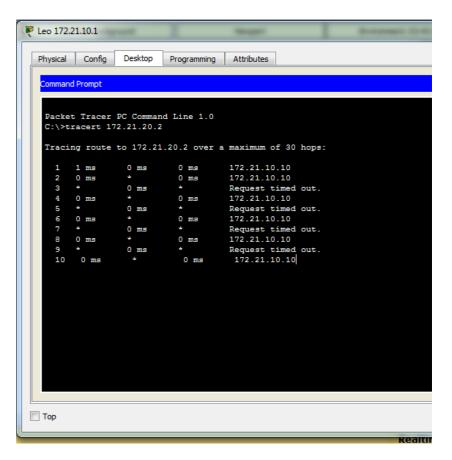
Tugas 8A:



Routing otomatis di downkan dan dimana melalui serial 3/0 yang terjadi di mana hops juga berubah.

Tugas 9A:

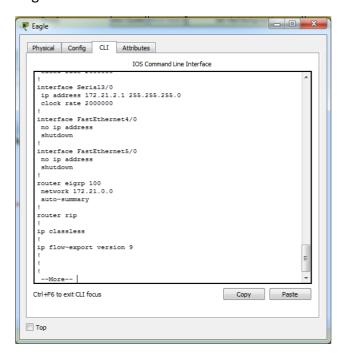




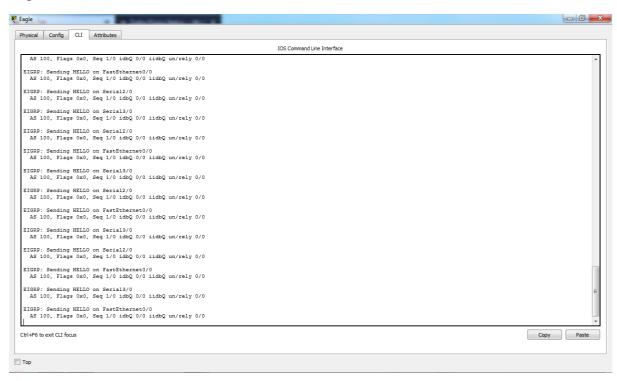
Dikarenakan hubungan di downkan maka hasil routing yang berawal dari dimulai menjadi berhenti dan menghasilkan RTO karena jaringan tidak terhubung.

KEGIATAN 3

Tugas 4A

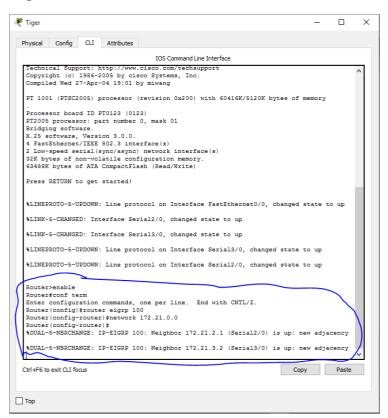


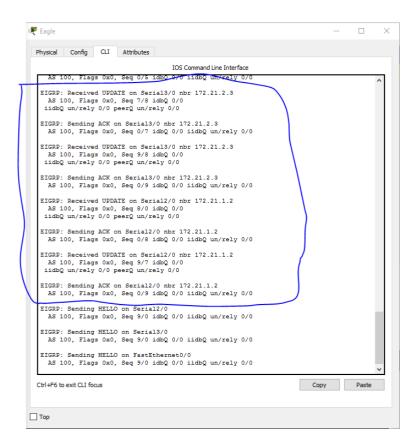
Tugas 5A:



Terjadi suatu transaksi yang mengiri tanda ataupun sapa untuk router lain dan komputer melalui fa dan serial.

Tugas 7A:





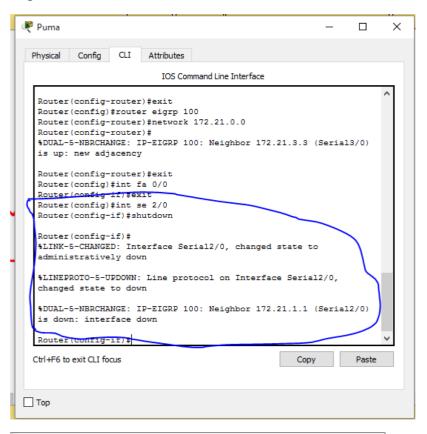
Tugas 7B:

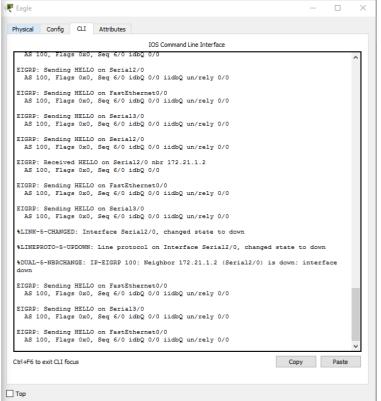
Setelah router puma dikonfigurasi maka di router eagle otomatis meng-update kemudia mengirim ack dan seterusnya hingga proses selesai.

Tugas 7C:

Tidak perlu. Kan tetap berada pada jaringan yang sama dan karena peroutingan sudah dinamis.

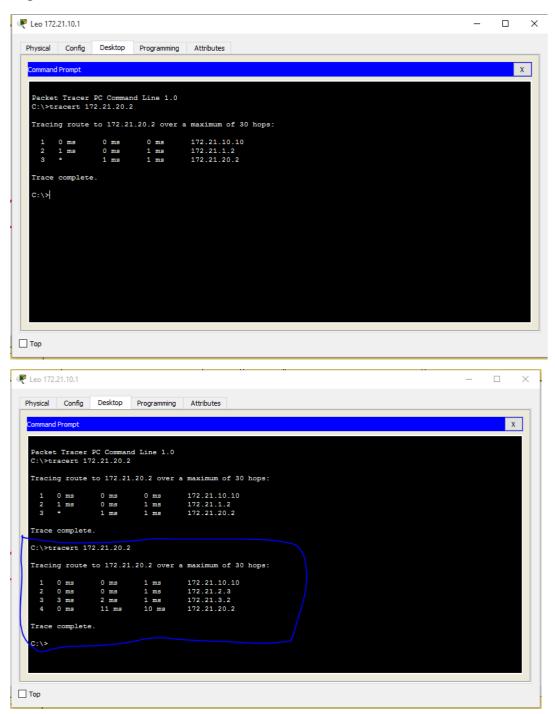
Tugas 9A:





Setelah hubungan antara router eagle dan puma di putuskan melalui router puma maka juga ada pemberitahuan dan upadate pada router eagle.

Tugas 10A:

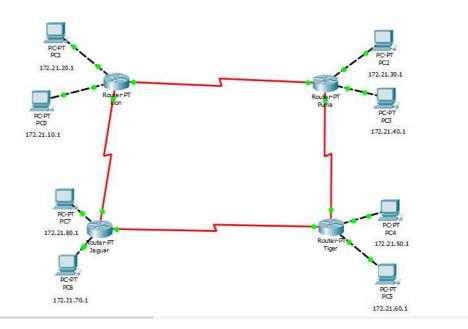


Setelah router terputus waktu yang dibutuhkan untuk mengirim data menjadi berbeda. Juga terdapat perbedaan pada hops atau jalan yang dilalui.

TUGAS MODUL 5

STATIC

1. Desain jaringan



2. Melakukam konfigurasi ip router dengan pembagian

a. Lion

- fa 0/0 = 172.21.10.10
- fa 1/0 = 172.21.20.20
- se 2/0 = 172.21.1.1
- se 3/0 = 172.21.2.1

b. Puma

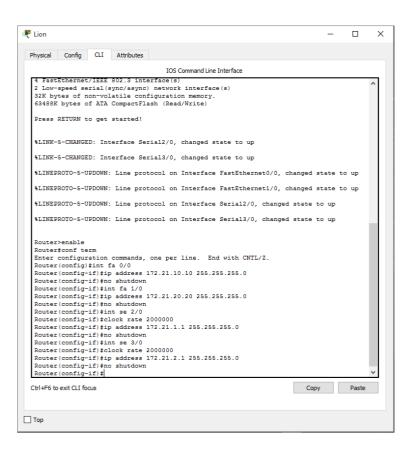
- fa 0/0 = 172.21.30.10
- fa 1/0 = 172.21.40.20
- se 2/0 = 172.21.1.2
- se 3/0 = 172.21.3.1

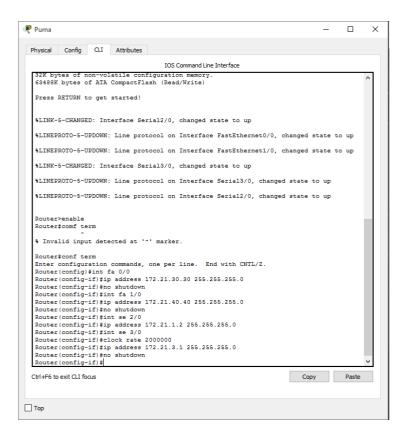
c. Tiger

- fa 0/0 = 172.21.50.10
- fa 1/0 = 172.21.60.20
- se 2/0 = 172.21.4.1
- se 3/0 = 172.21.3.2

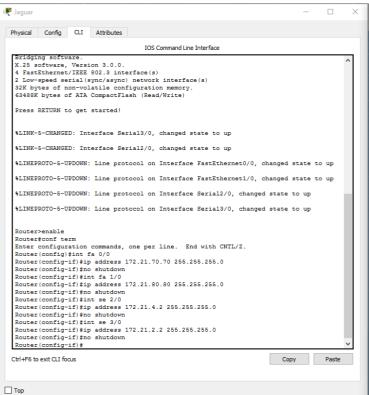
d. Jaguar

- fa 0/0 = 172.21.70.10
- fa 1/0 = 172.21.80.20
- fa 2/0 = 172.21.4.2
- fa 3/0 = 172.21.2.2

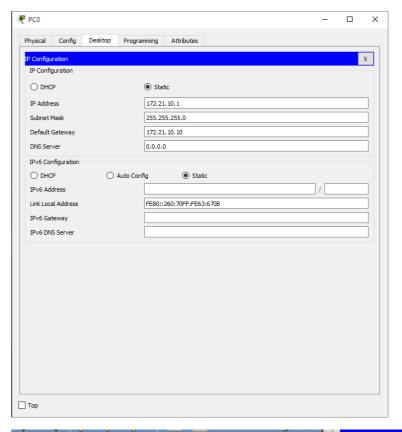


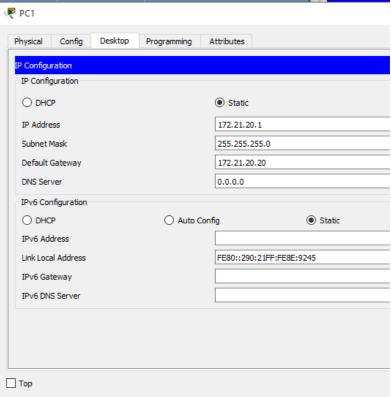


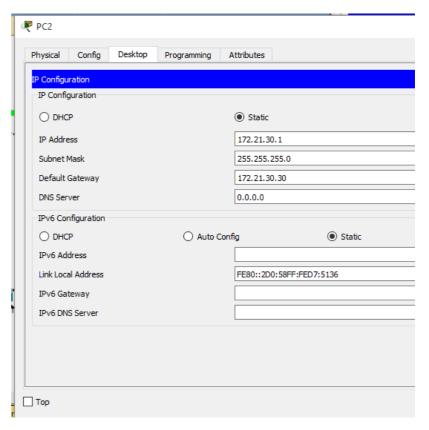


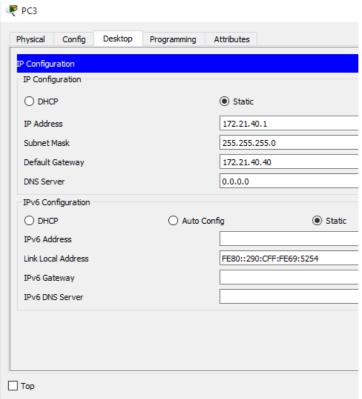


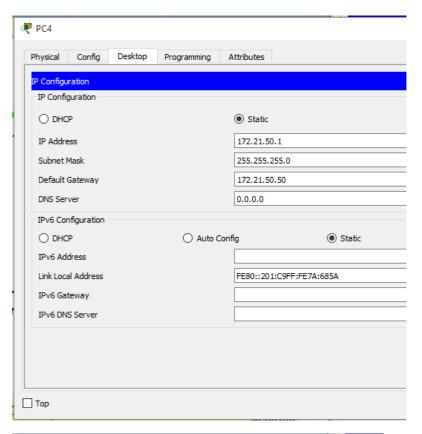
3. Konfigurasi pada pc

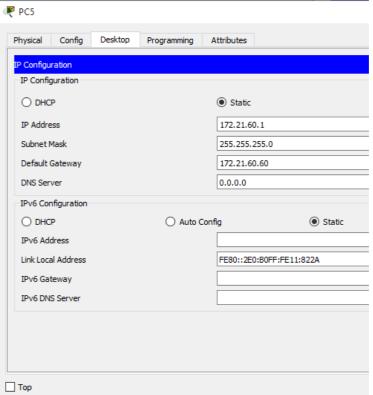


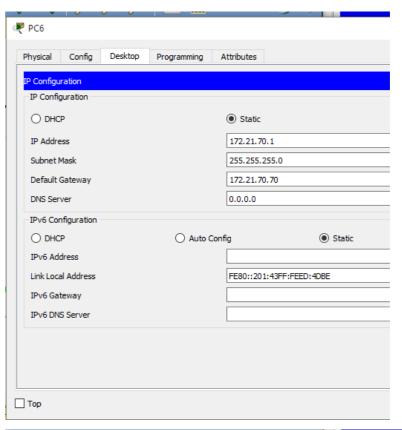


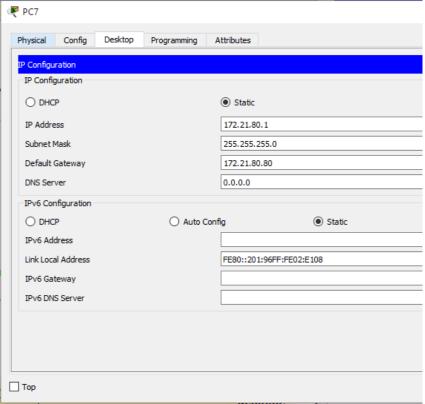












4. Melakukan cek koneksi

Dari pc 1 ke router lion

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.1 with 32 bytes of data:

Reply from 172.21.1.1: bytes=32 time<1ms TTL=255
Reply from 172.21.2.1: bytes=32 time<1ms TTL=255

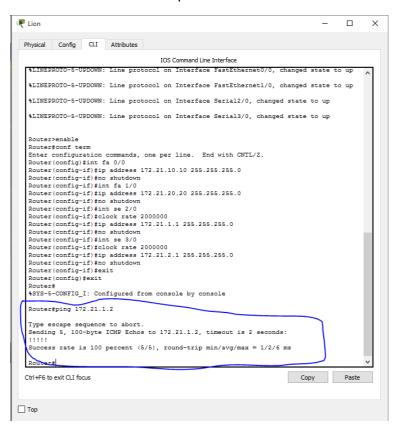
Ping statistics for 172.21.1.1:
packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

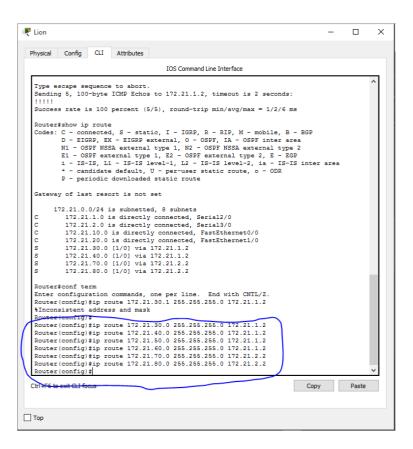
C:\>ping 172.21.2.1 with 32 bytes of data:

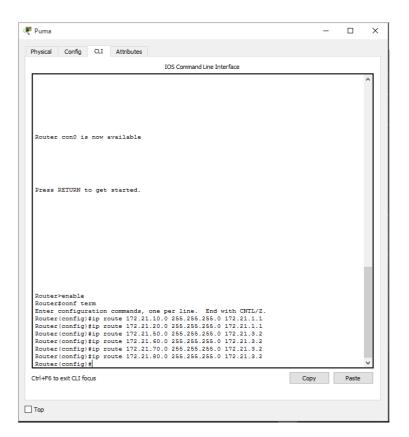
Reply from 172.21.2.1: bytes=32 time<1ms TTL=255
Reply from 172.31.2.1: bytes=32 time<1ms TTL=255
Reply from 172.
```

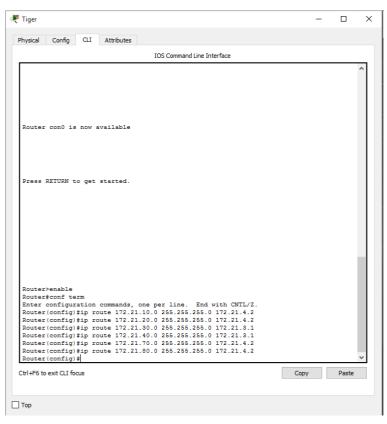
Dari router lion ke router puma

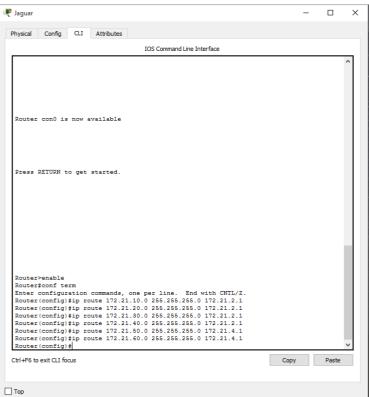


5. Melakukan routing

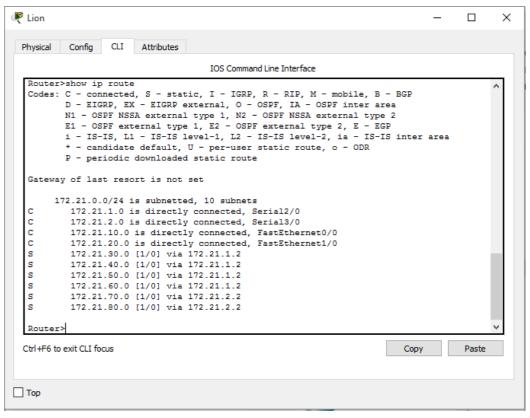


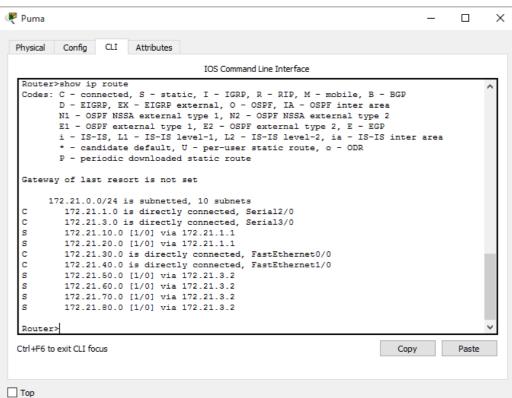


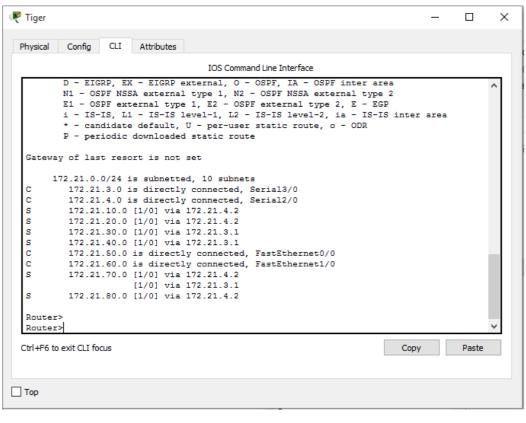


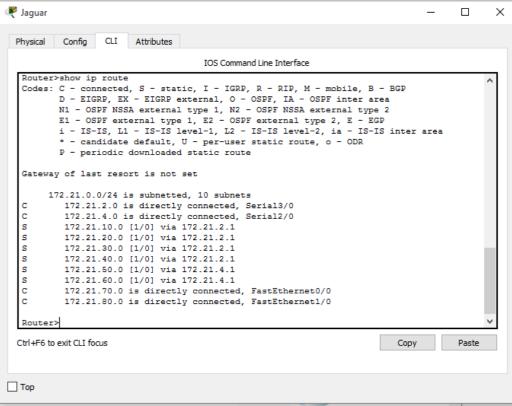


6. Melakukan show ip route









7. Melakukan ping dari pc 0 ke pc 4

```
₱ PC0

                                                                                                                                                            X
                                 Desktop
   Physical
                 Config
                                                  Programming
                                                                        Attributes
      Command Prompt
                                                                                                                                                                  Χ
     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.

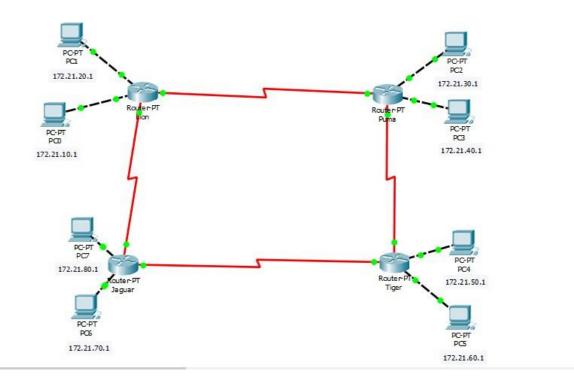
Reply from 172.21.50.1: bytes=32 time=13ms TTL=125

Reply from 172.21.50.1: bytes=32 time=5ms TTL=125

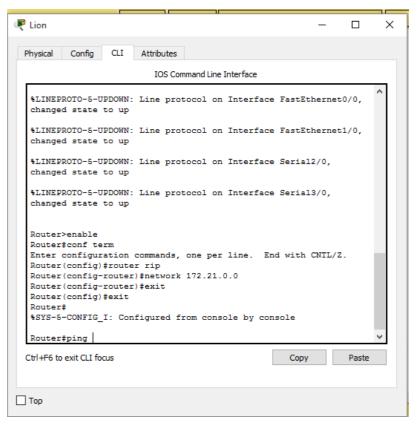
Reply from 172.21.50.1: bytes=32 time=13ms TTL=125
     Ping statistics for 172.21.50.1:
     Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 5ms, Maximum = 13ms, Average = 10ms
     C:\>
```

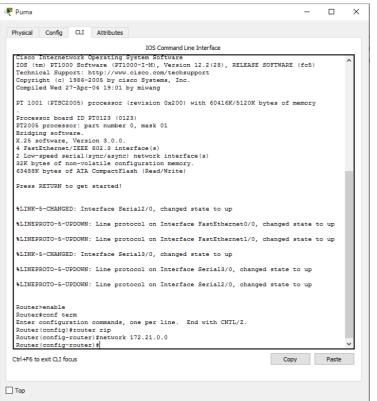
RIP

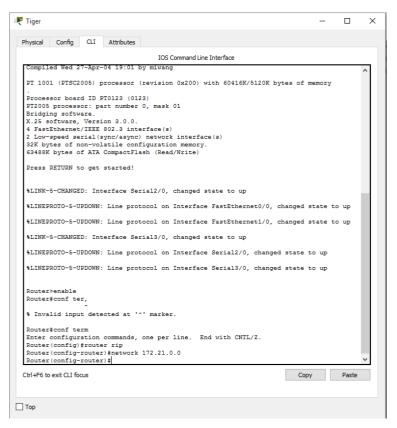
1. Desain jaringan

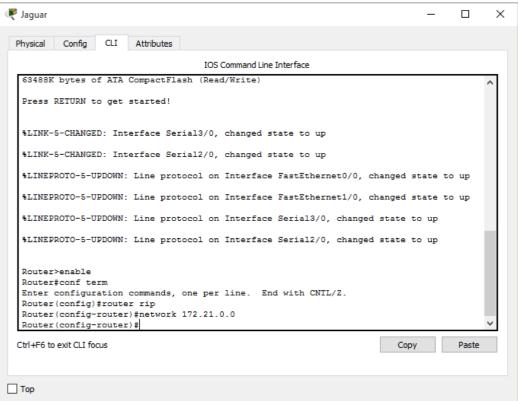


2. Melakukan konfigurasi ip dan routing









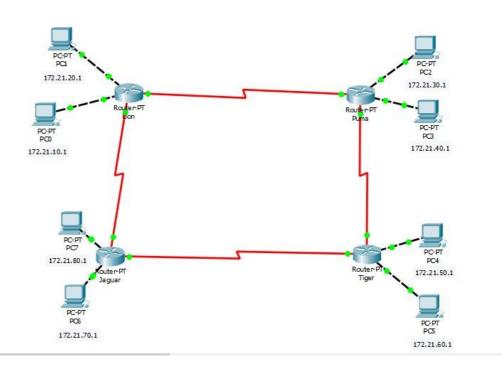
3. Melakukan ping dari pc 6 ke pc 2

```
₹ PC6
                                                                                                                                                                            ×
                                     Desktop
    Physical
                     Config
                                                        Programming
                                                                                Attributes
       Command Prompt
                                                                                                                                                                                   Х
      Packet Tracer PC Command Line 1.0 C:\>ping 172.21.30.1
      Pinging 172.21.30.1 with 32 bytes of data:
      Request timed out.

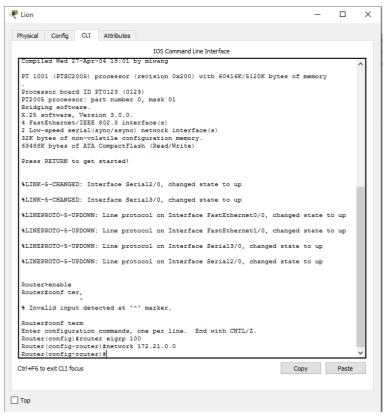
Reply from 172.21.30.1: bytes=32 time=2ms TTL=125
Reply from 172.21.30.1: bytes=32 time=3ms TTL=123
Reply from 172.21.30.1: bytes=32 time=7ms TTL=123
      Ping statistics for 172.21.30.1:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 7ms, Average = 4ms
      C:\>
Тор
```

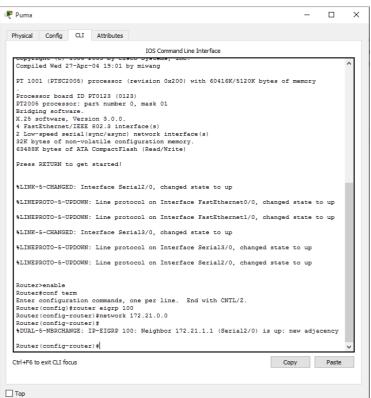
IGRP

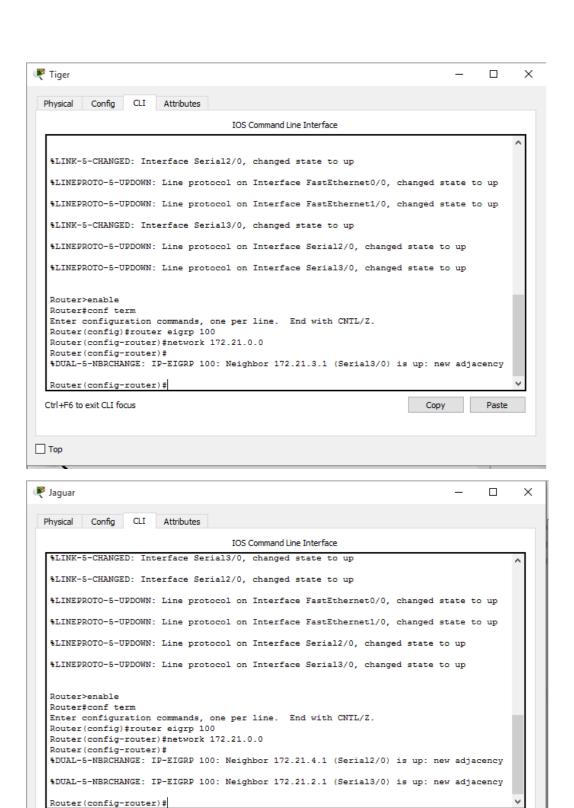
1. Desain jaringan



2. Melakukan konfigurasi ip dan routing secara otomatis







Сору

Paste

Ctrl+F6 to exit CLI focus

□ Тор

3. Melakukan ping dari pc 4 ke pc 0

```
Physical Config Desktop Programming Attributes

Command Prompt

Enacket Tracer PC Command Line 1.0

C:\>ping 172.21.10.1

Pinging 172.21.10.1 with 32 bytes of data:

Request timed out.

Reply from 172.21.10.1: bytes=32 time=2ms TTL=125

Reply from 172.21.10.1: bytes=32 time=6ms TTL=125

Reply from 172.21.10.1: bytes=32 time=3ms TTL=125

Ping statistics for 172.21.10.1:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 6ms, Average = 3ms

C:\>
```