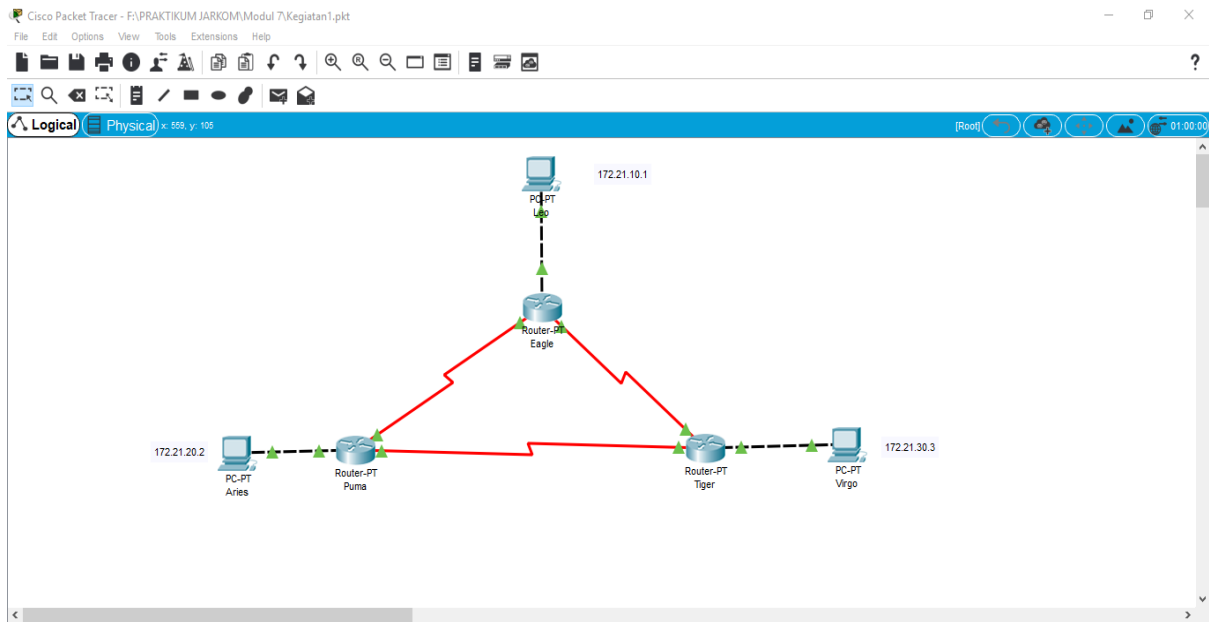


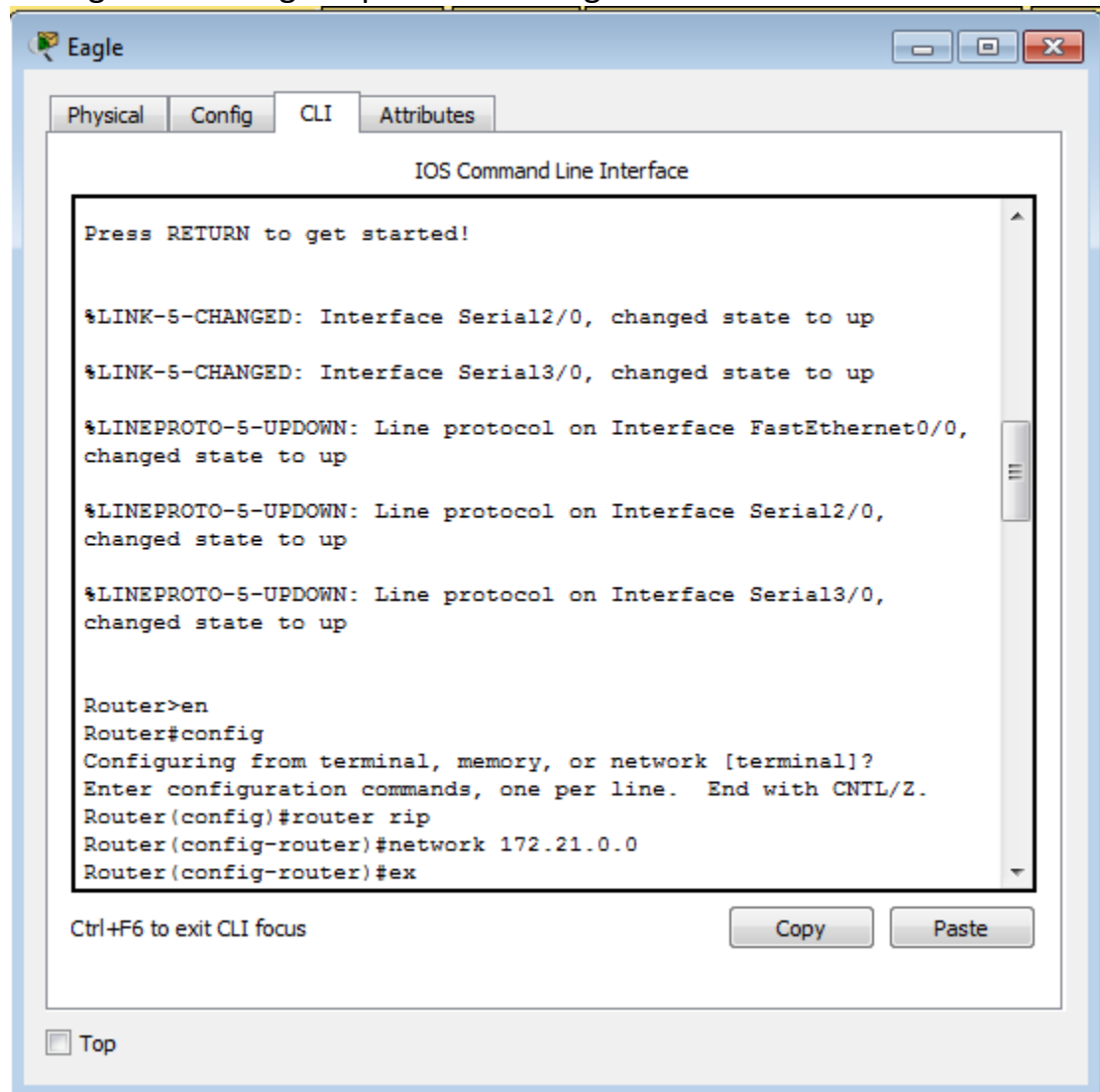
Name : Shidqi Aditya Falah
NIM : L202173001
Class : X

Modul 7

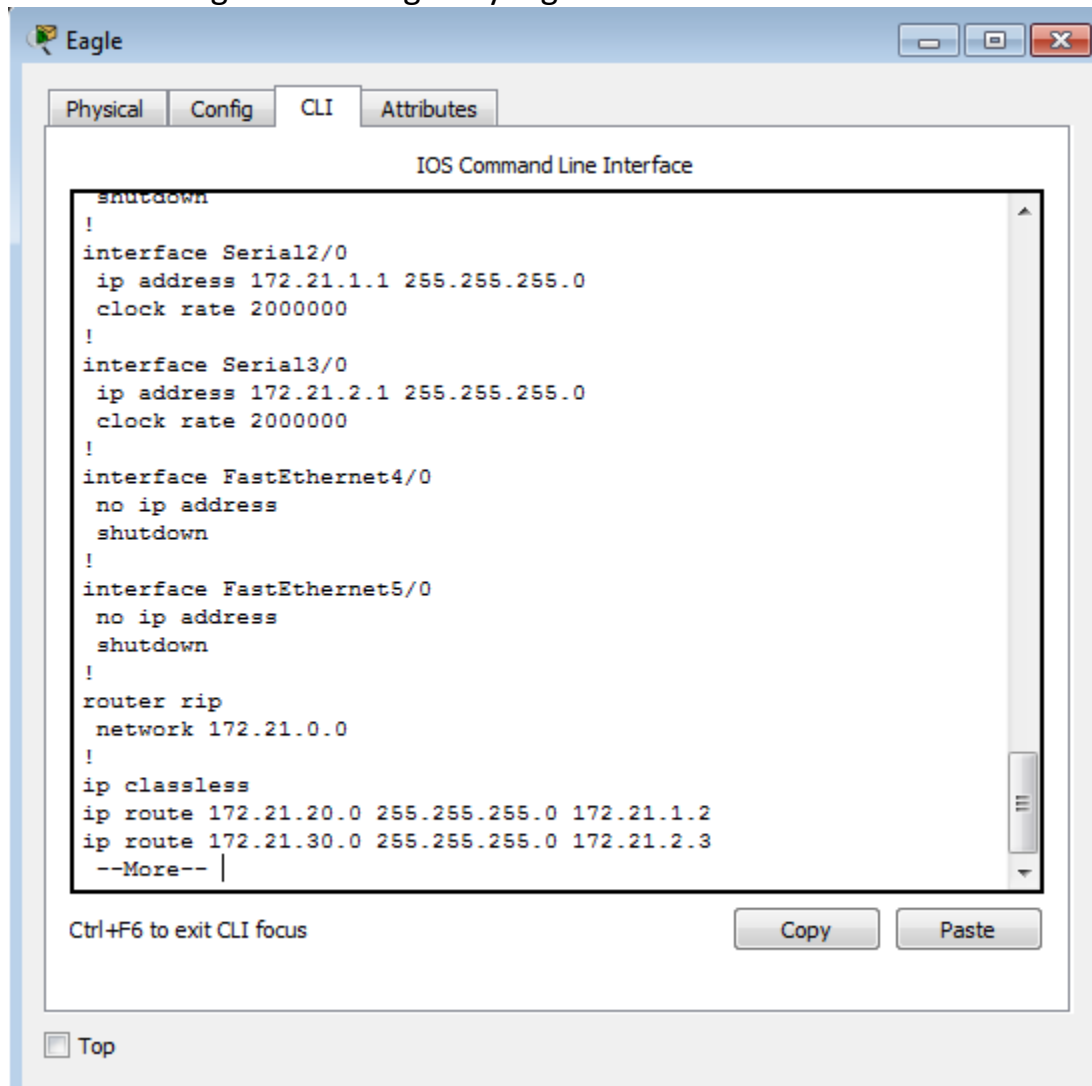


Kegiatan 2 (Routing Information Protocol)

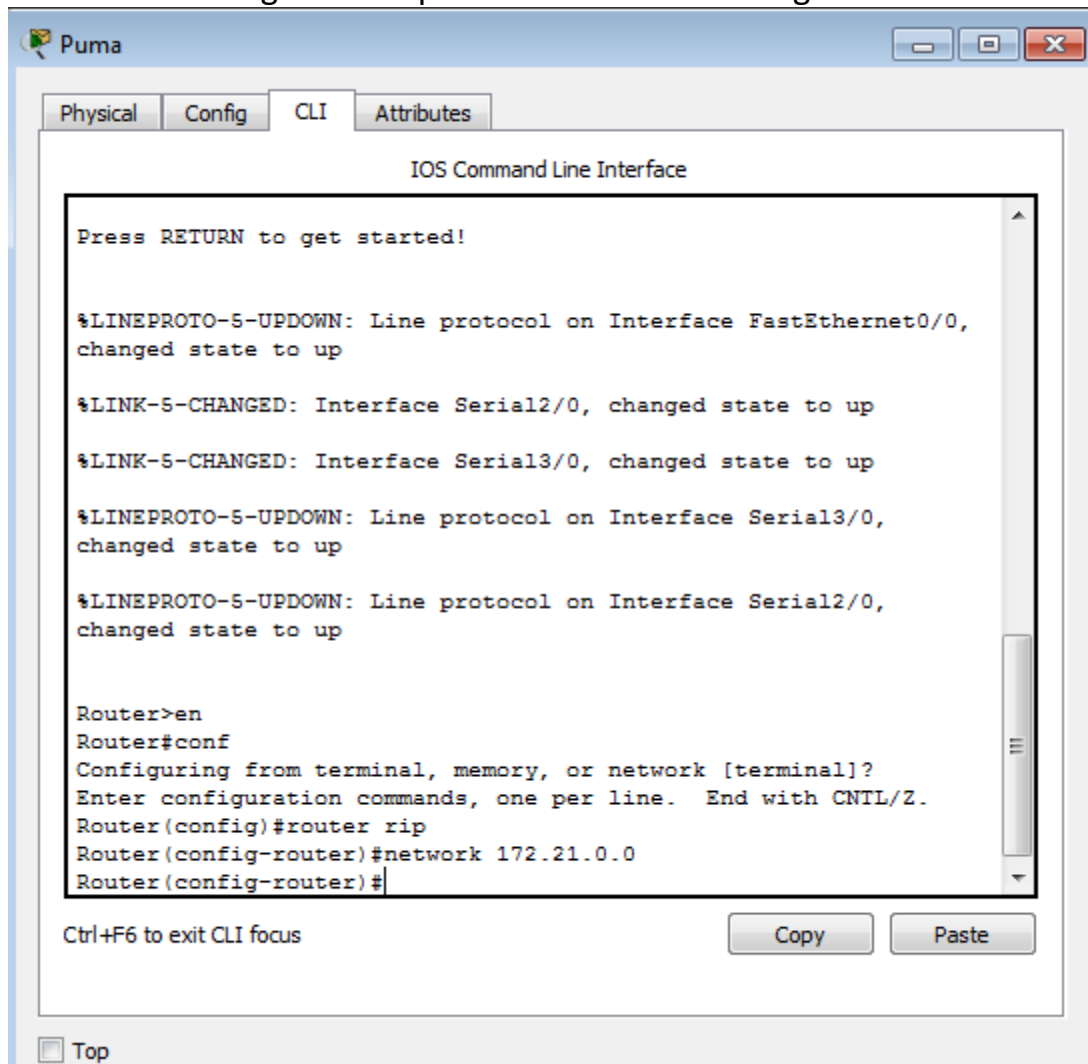
1. Konfigurasi routing RIP pada router eagle

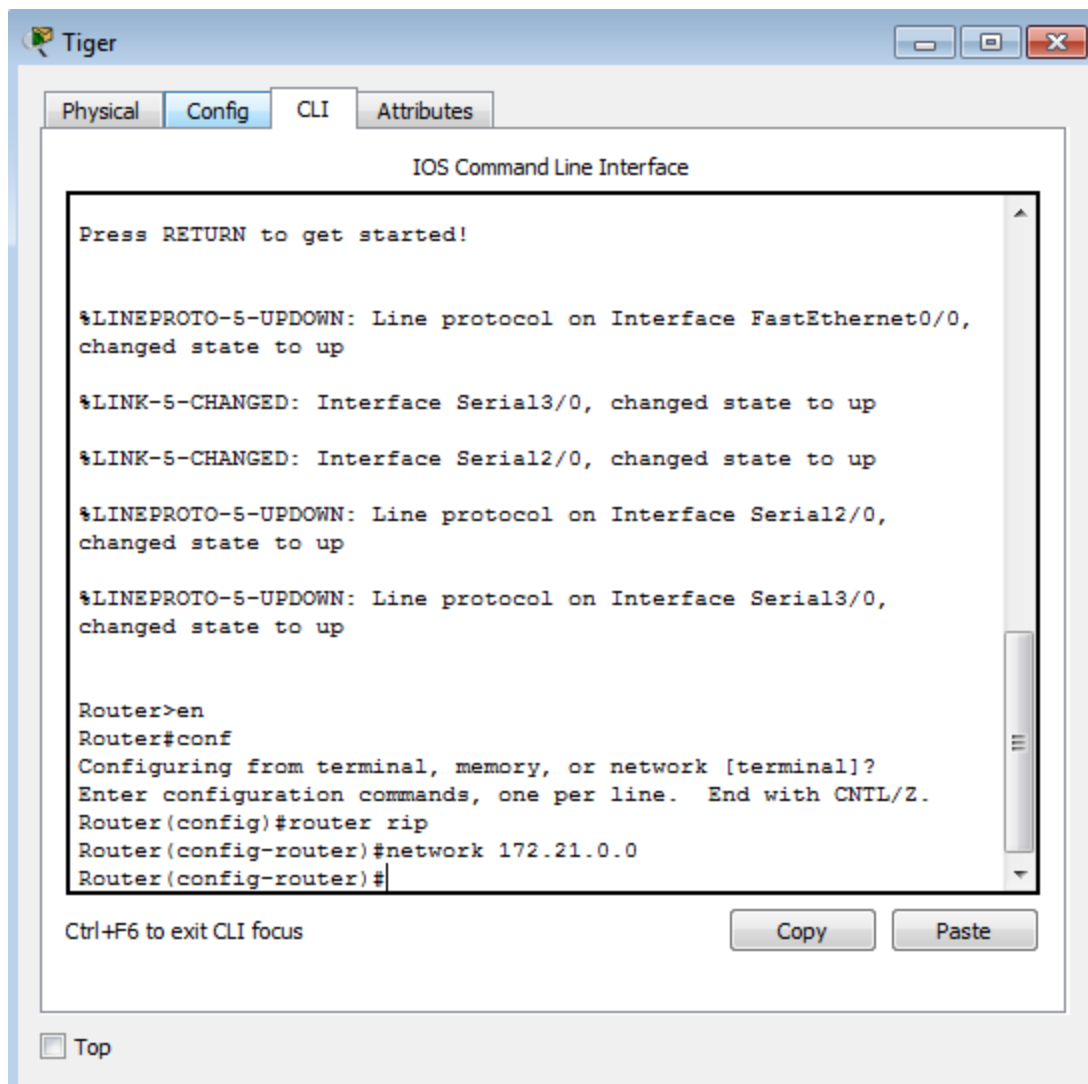


2. Melihat konfigurasi routing RIP yang telah dibuat

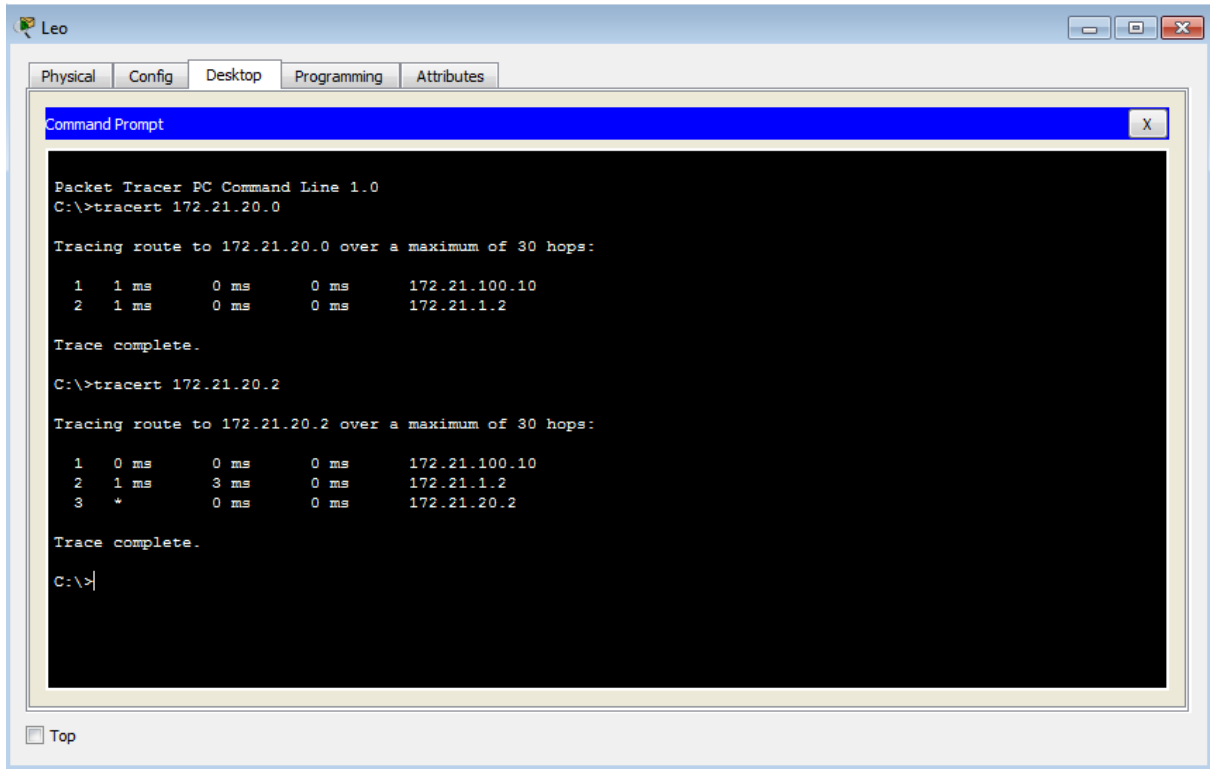


3. Melakukan konfigurasi RIP pada router Puma dan Tiger





4. Trace dari PC Leo ke Aries



The screenshot shows a Packet Tracer PC Command Line window for PC Leo. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of two traceroute commands. The first command is `tracert 172.21.20.0`, which shows a successful path from 172.21.100.10 to 172.21.1.2. The second command is `tracert 172.21.20.2`, which shows a successful path from 172.21.100.10 to 172.21.1.2 to 172.21.20.2.

```
Packet Tracer PC Command Line 1.0
C:\>tracert 172.21.20.0

Tracing route to 172.21.20.0 over a maximum of 30 hops:

  1  1 ms    0 ms    0 ms    172.21.100.10
  2  1 ms    0 ms    0 ms    172.21.1.2

Trace complete.

C:\>tracert 172.21.20.2

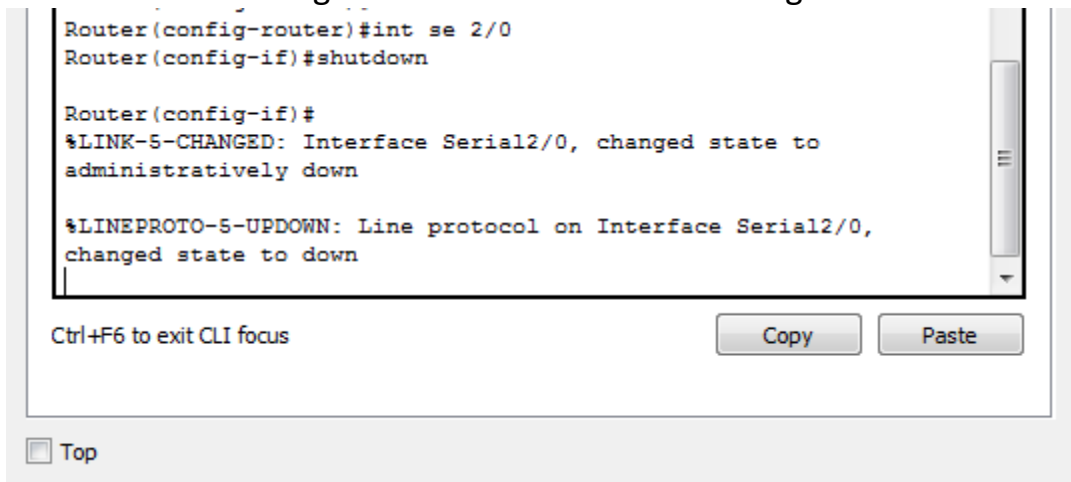
Tracing route to 172.21.20.2 over a maximum of 30 hops:

  1  0 ms    0 ms    0 ms    172.21.100.10
  2  1 ms    3 ms    0 ms    172.21.1.2
  3  *        0 ms    0 ms    172.21.20.2

Trace complete.

C:\>|
```

5. Memutuskan hubungan antara router Puma dan Eagle



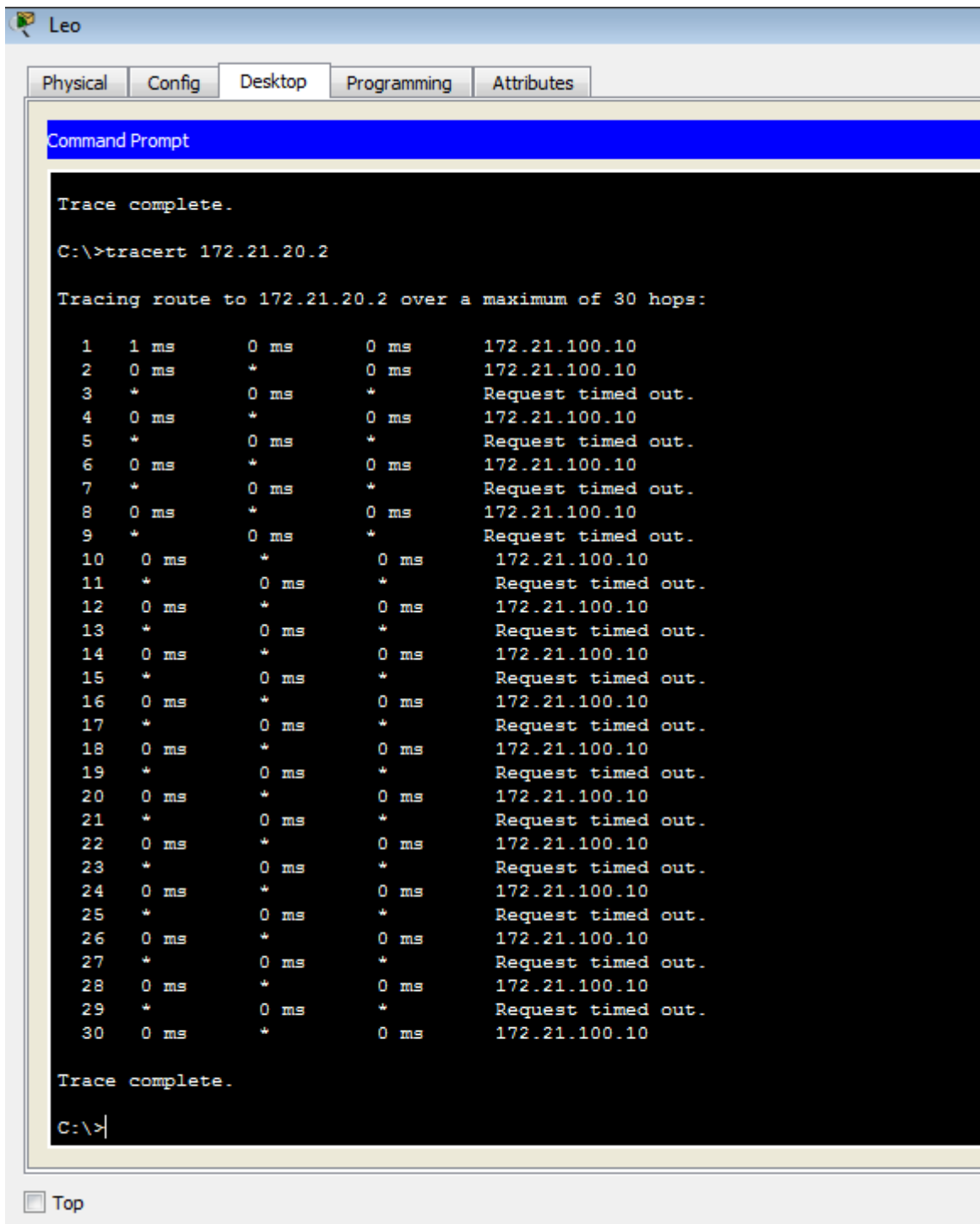
The screenshot shows a Packet Tracer CLI window for Router Puma. The window displays the configuration of interface Serial2/0, including the `shutdown` command. The output shows the interface state changing to administratively down and the line protocol state changing to down. The window also includes a status bar with the text "Ctrl+F6 to exit CLI focus" and buttons for "Copy" and "Paste".

```
Router(config-router)#int se 2/0
Router(config-if)#shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to
administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0,
changed state to down
```

6. Trace PC Leo ke Aries setelah memutuskan hubungan router Puma dan Eagle



Leo

Physical Config Desktop Programming Attributes

Command Prompt

```
Trace complete.  
C:\>tracert 172.21.20.2  
  
Tracing route to 172.21.20.2 over a maximum of 30 hops:  
  
  1  1 ms      0 ms      0 ms      172.21.100.10  
  2  0 ms      *          0 ms      172.21.100.10  
  3  *          0 ms      *          Request timed out.  
  4  0 ms      *          0 ms      172.21.100.10  
  5  *          0 ms      *          Request timed out.  
  6  0 ms      *          0 ms      172.21.100.10  
  7  *          0 ms      *          Request timed out.  
  8  0 ms      *          0 ms      172.21.100.10  
  9  *          0 ms      *          Request timed out.  
 10  0 ms      *          0 ms      172.21.100.10  
 11  *          0 ms      *          Request timed out.  
 12  0 ms      *          0 ms      172.21.100.10  
 13  *          0 ms      *          Request timed out.  
 14  0 ms      *          0 ms      172.21.100.10  
 15  *          0 ms      *          Request timed out.  
 16  0 ms      *          0 ms      172.21.100.10  
 17  *          0 ms      *          Request timed out.  
 18  0 ms      *          0 ms      172.21.100.10  
 19  *          0 ms      *          Request timed out.  
 20  0 ms      *          0 ms      172.21.100.10  
 21  *          0 ms      *          Request timed out.  
 22  0 ms      *          0 ms      172.21.100.10  
 23  *          0 ms      *          Request timed out.  
 24  0 ms      *          0 ms      172.21.100.10  
 25  *          0 ms      *          Request timed out.  
 26  0 ms      *          0 ms      172.21.100.10  
 27  *          0 ms      *          Request timed out.  
 28  0 ms      *          0 ms      172.21.100.10  
 29  *          0 ms      *          Request timed out.  
 30  0 ms      *          0 ms      172.21.100.10  
  
Trace complete.  
C:\>
```

☐ Top

Kegiatan 3 (Interior Gateway Routing Protocol)

1. Konfigurasi routing EIGRP pada router Eagle

```
Router#  
Router#conf  
Configuring from terminal, memory, or network [terminal]?  
Enter configuration commands, one per line. End with CNTL/Z.  
Router(config)#router eigrp 100  
Router(config-router)#network 172.21.0.0  
Router(config-router)#
```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

2. Melihat konfigurasi routing EIGRP

```
router eigrp 100  
network 172.21.0.0  
auto-summary  
!  
router rip  
network 172.21.0.0  
!  
ip classless  
ip route 172.21.20.0 255.255.255.0 172.21.1.2  
ip route 172.21.30.0 255.255.255.0 172.21.3.3  
ip route 172.21.30.0 255.255.255.0 172.21.2.3  
!  
ip flow-export version 9  
!
```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

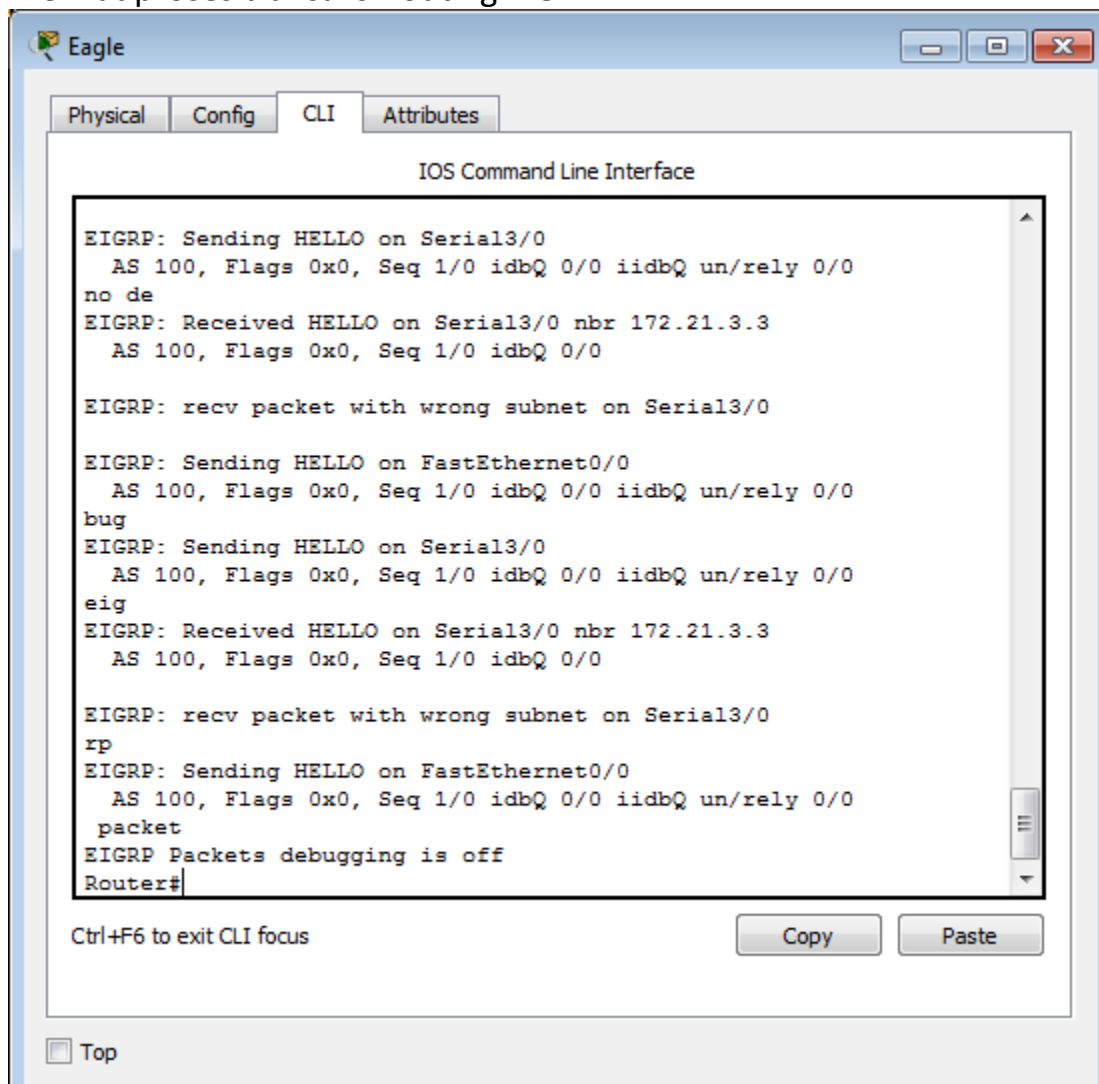
3. Melihat proses routing EIGRP dengan perintah “debug ip eigrp summary”

```
Router#debug ip eigrp summary  
IP-EIGRP Summary route processing debugging is on  
Router#
```

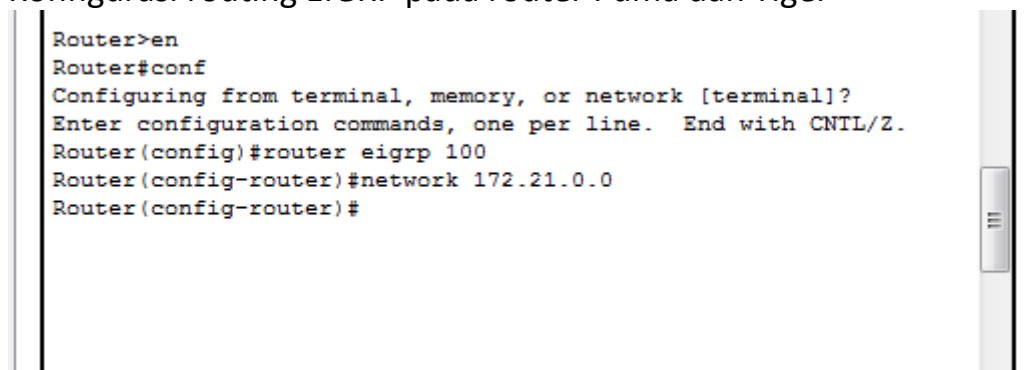
Ctrl+F6 to exit CLI focus

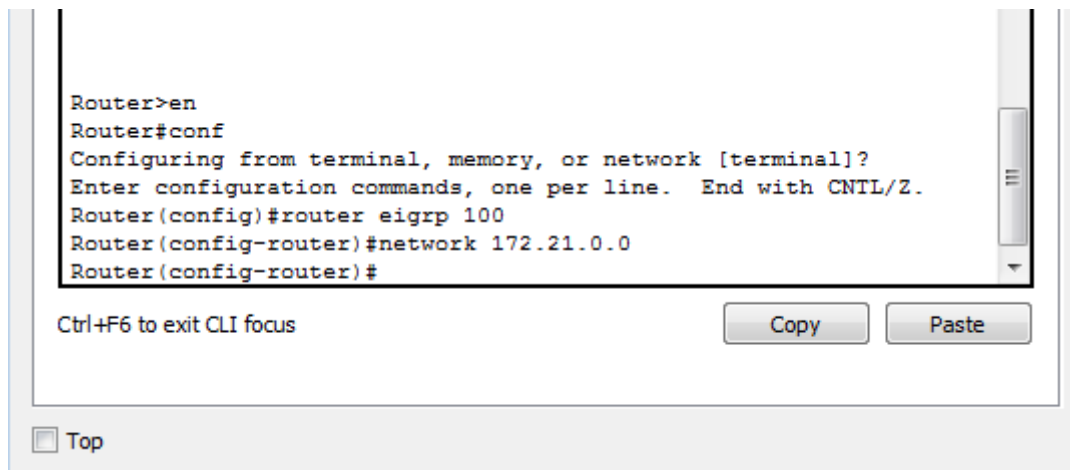
Copy Paste

4. Melihat proses transaksi routing EIGRP

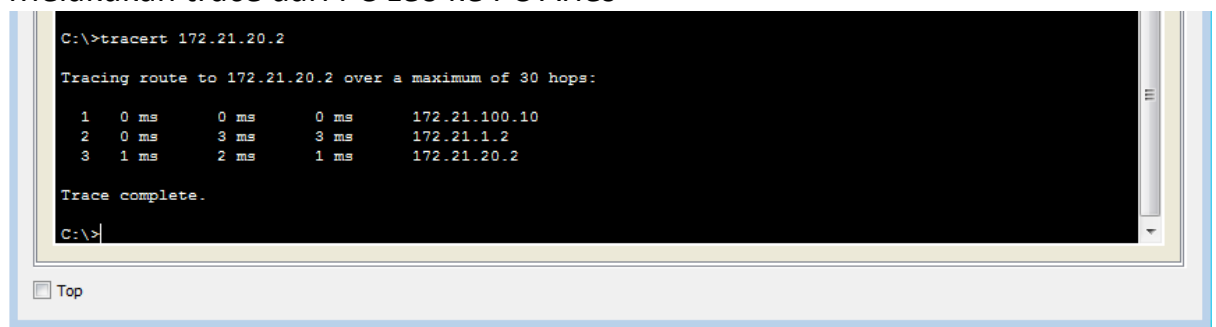


5. Konfigurasi routing EIGRP pada router Puma dan Tiger

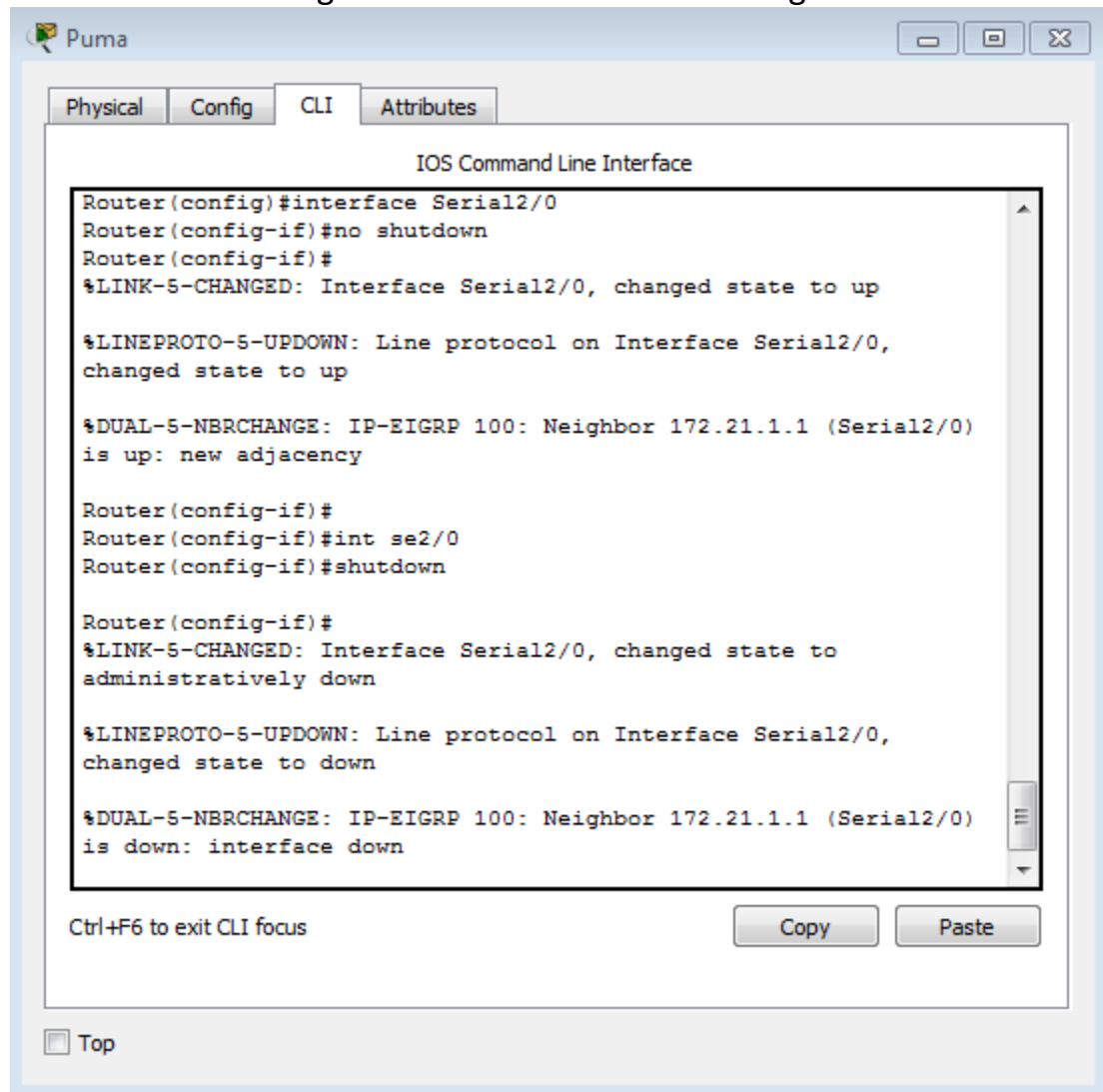




6. Melakukan trace dari PC Leo ke PC Aries



7. Memutuskan hubungan antara router Puma dan Eagle



8. Melakukan Trace dari PC Leo ke PC Arie setelah memutuskan hubungan antara router Puma dan Eagle

The screenshot shows a Leo router interface with tabs for Physical, Config, Desktop, Programming, and Attributes. The Command Prompt window is open, displaying the results of a traceroute command. The output shows a successful path from the router to the destination IP 172.21.20.2, with all hops completing within the 30 hop limit. The path consists of 30 hops, with the first hop being the router itself and the final hop being the destination IP.

```
Trace complete.  
C:\>tracert 172.21.20.2  
  
Tracing route to 172.21.20.2 over a maximum of 30 hops:  
  
  1  0 ms    0 ms    0 ms    172.21.100.10  
  2  0 ms    *      0 ms    172.21.100.10  
  3  *      0 ms    *      Request timed out.  
  4  0 ms    *      0 ms    172.21.100.10  
  5  *      1 ms    *      Request timed out.  
  6  0 ms    *      0 ms    172.21.100.10  
  7  *      0 ms    *      Request timed out.  
  8  0 ms    *      0 ms    172.21.100.10  
  9  *      7 ms    *      Request timed out.  
 10  0 ms    *      0 ms    172.21.100.10  
 11  *      0 ms    *      Request timed out.  
 12  0 ms    *      0 ms    172.21.100.10  
 13  *      0 ms    *      Request timed out.  
 14  0 ms    *      0 ms    172.21.100.10  
 15  *      0 ms    *      Request timed out.  
 16  0 ms    *      0 ms    172.21.100.10  
 17  *      0 ms    *      Request timed out.  
 18  0 ms    *      0 ms    172.21.100.10  
 19  *      0 ms    *      Request timed out.  
 20  0 ms    *      0 ms    172.21.100.10  
 21  *      0 ms    *      Request timed out.  
 22  0 ms    *      0 ms    172.21.100.10  
 23  *      0 ms    *      Request timed out.  
 24  0 ms    *      0 ms    172.21.100.10  
 25  *      0 ms    *      Request timed out.  
 26  0 ms    *      0 ms    172.21.100.10  
 27  *      0 ms    *      Request timed out.  
 28  0 ms    *      0 ms    172.21.100.10  
 29  *      0 ms    *      Request timed out.  
 30  0 ms    *      0 ms    172.21.100.10  
  
Trace complete.  
C:\>
```