

Laporan Proyek Akhir

PRAKTIKUM KONSEP JARINGAN

Dosen : Dr. Ferry Astika Saputra ST, M.Sc

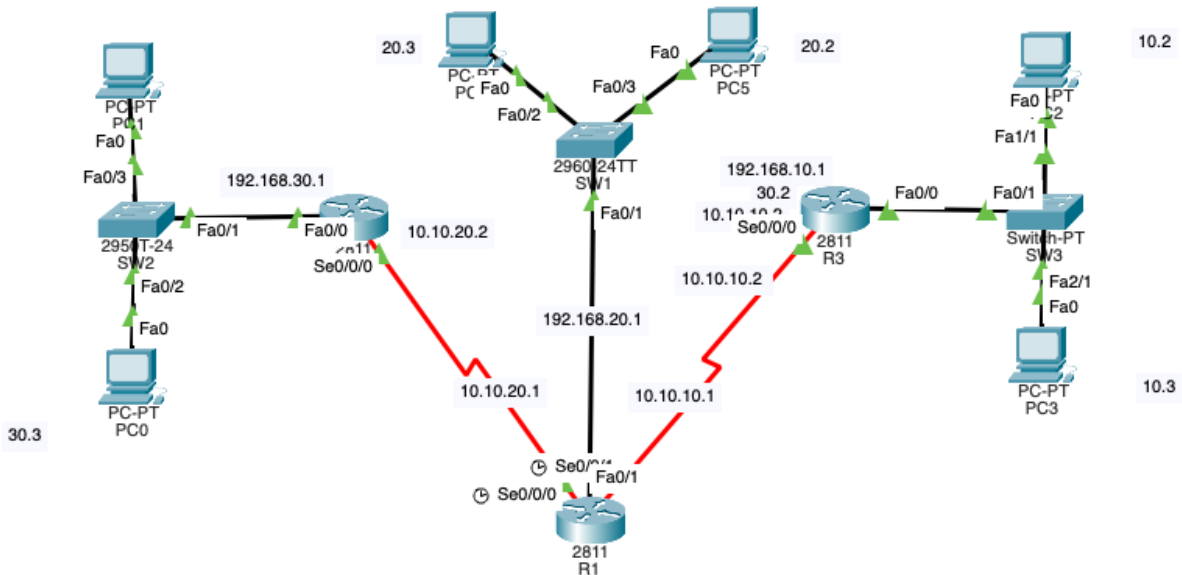


Nama : Rizal Maulaan

Kelas : 2 D4 IT A

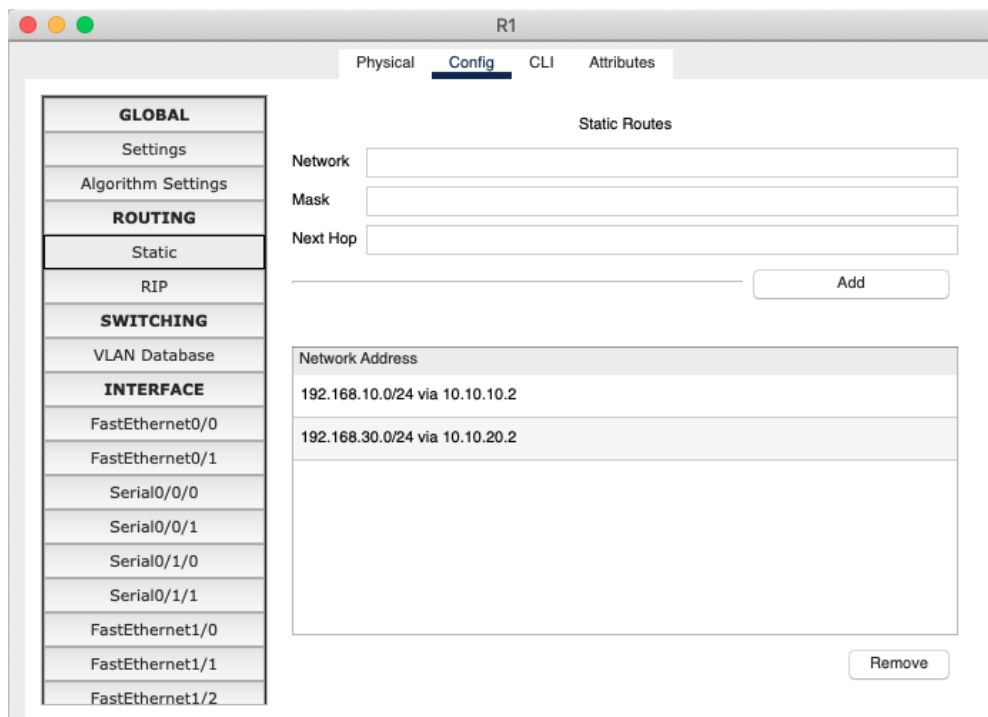
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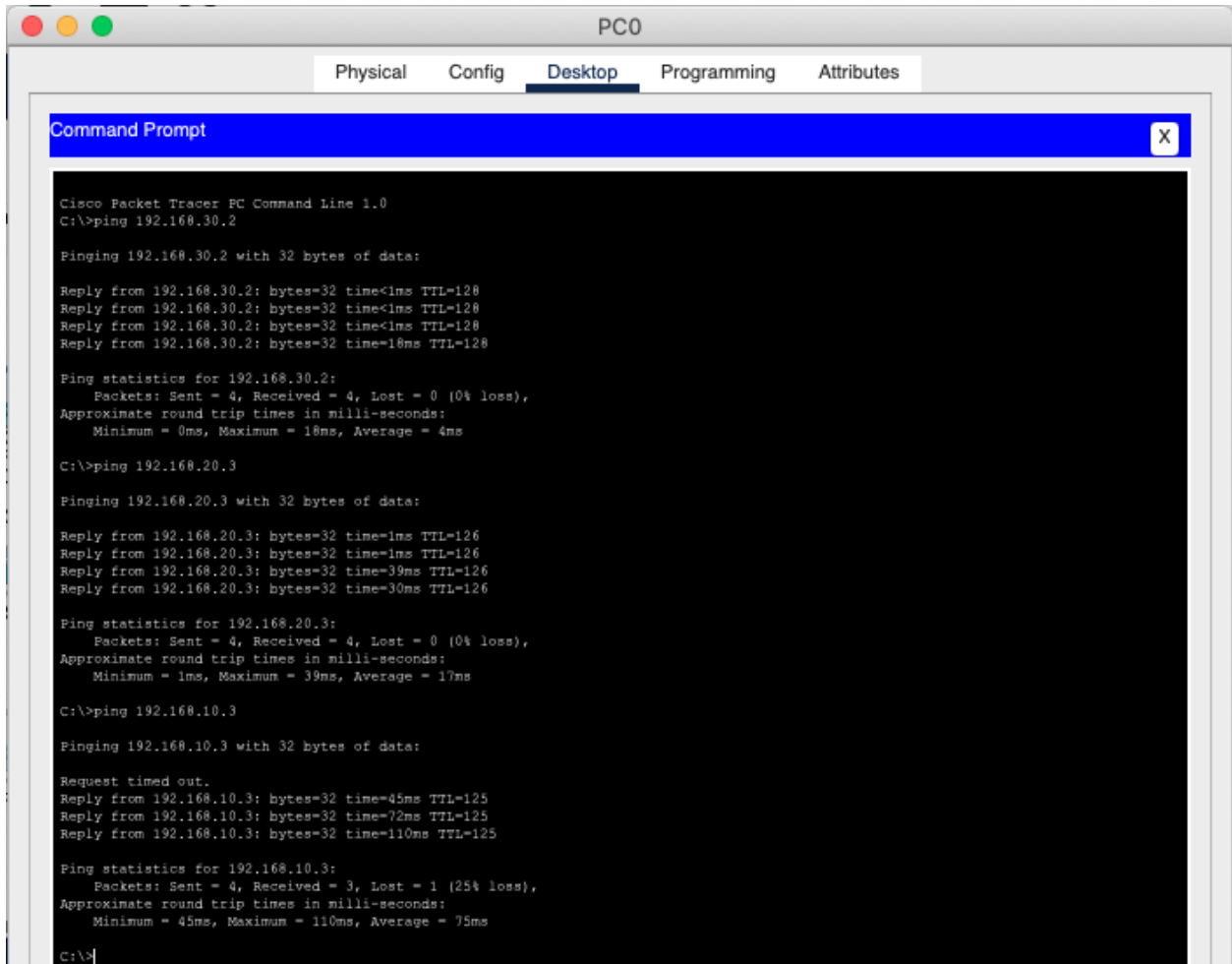
1. Konfigurasi tabel routing pada R1, R2 dan R3 dengan menggunakan statik routing sehingga seluruh PC yang ada dapat terhubung dengan baik.

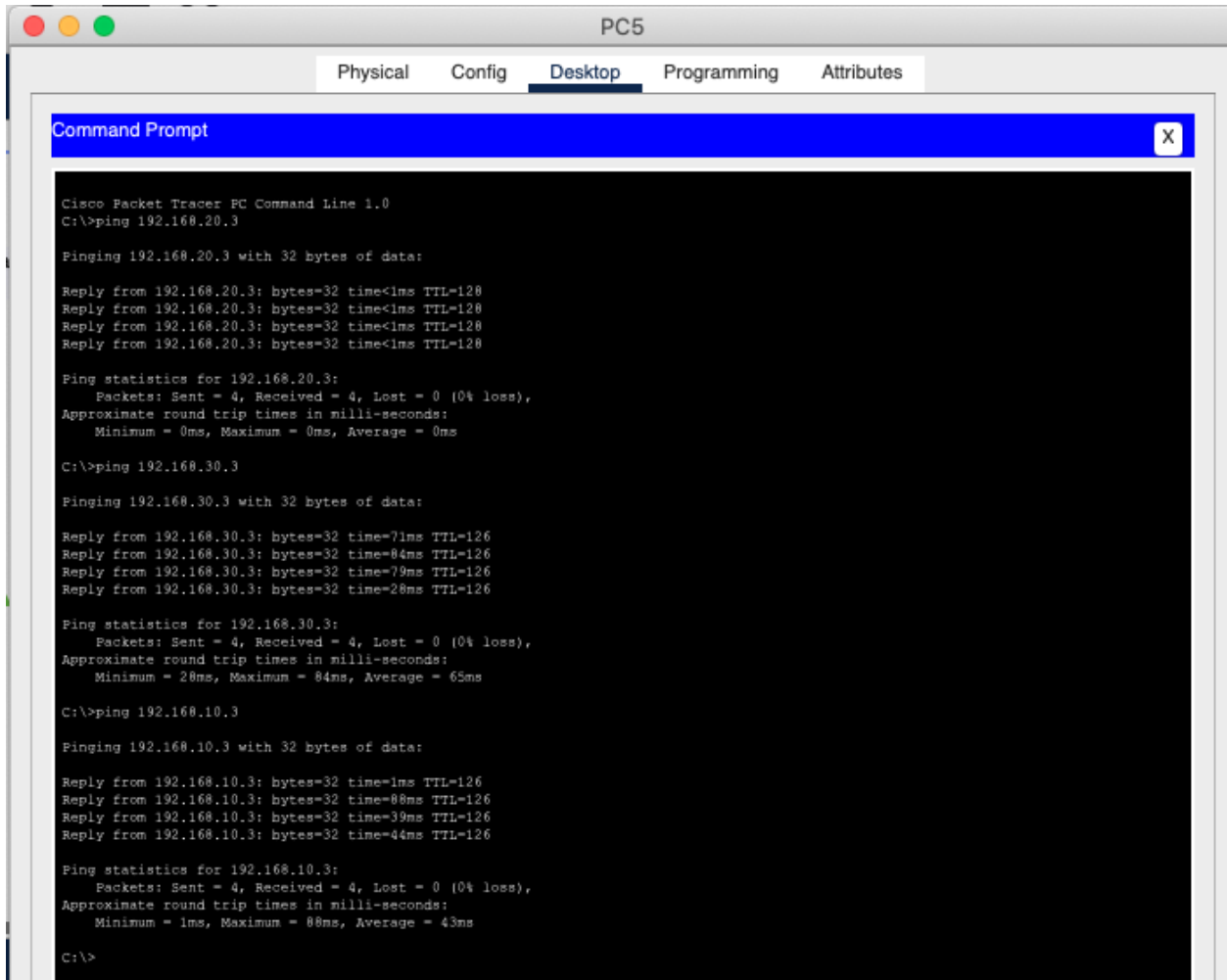


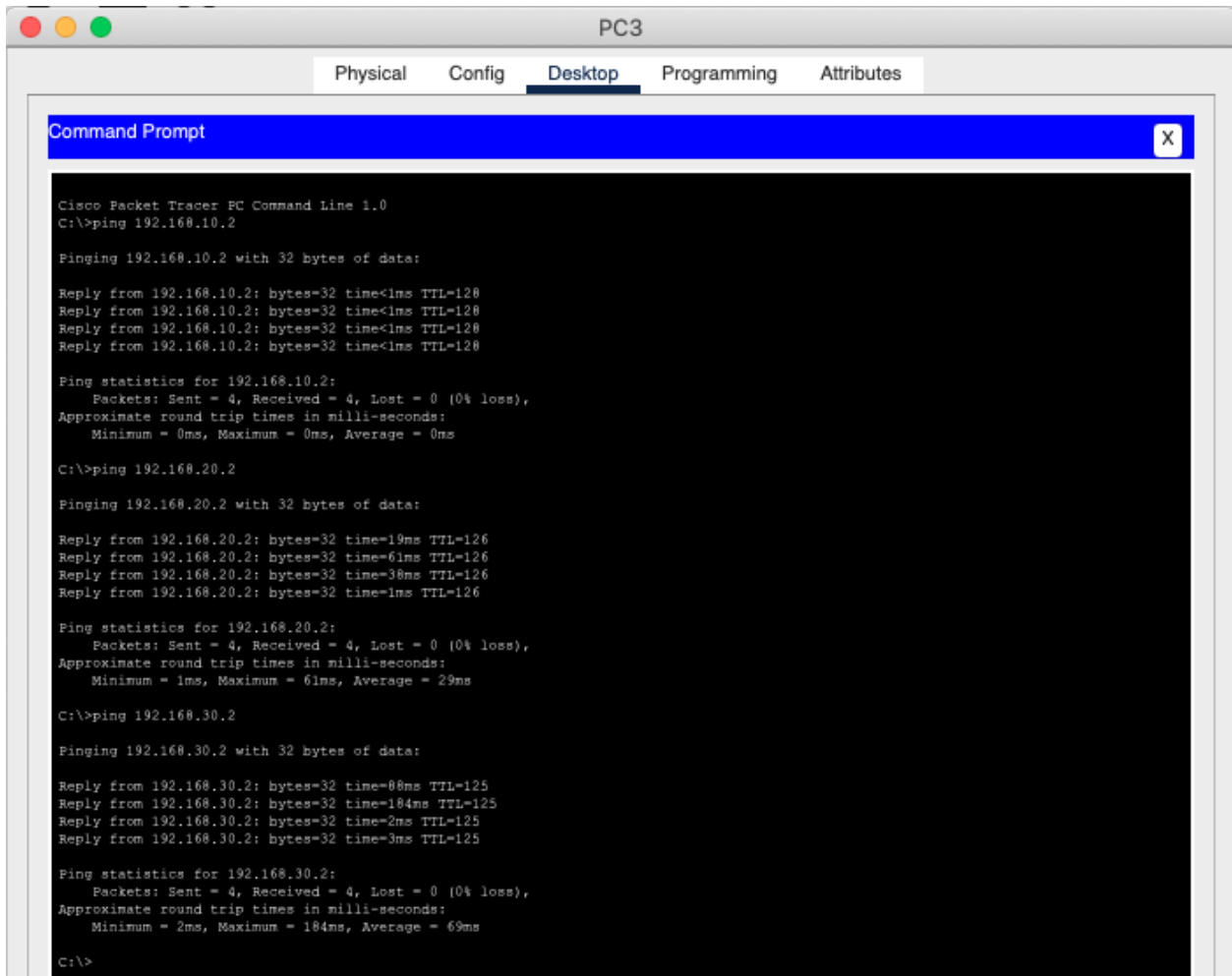
Jawaban :

Konfigurasi router :

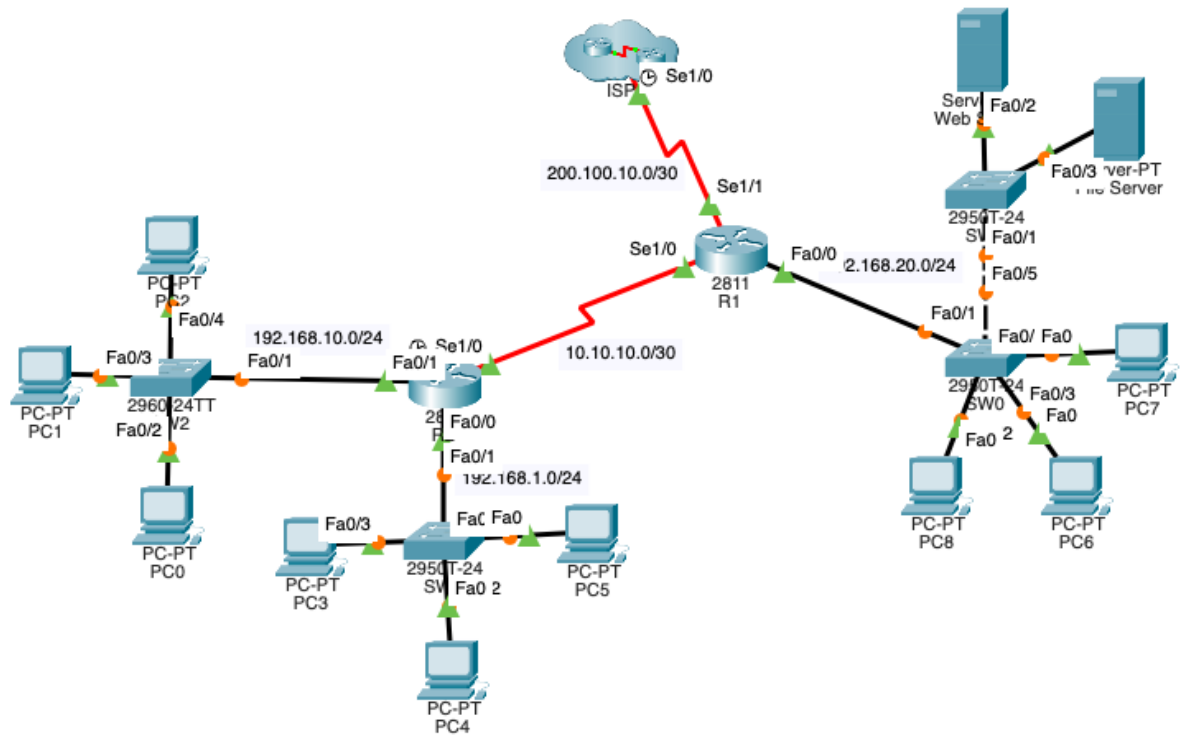








2. Konfigurasi tabel routing pada R1, R2 dan R3 dengan menggunakan RIP sehingga seluruh PC dapat terhubung ke ISP dengan baik



Jawaban :

Konfigurasi router :

R2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/3/0

FastEthernet0/3/1

FastEthernet0/3/2

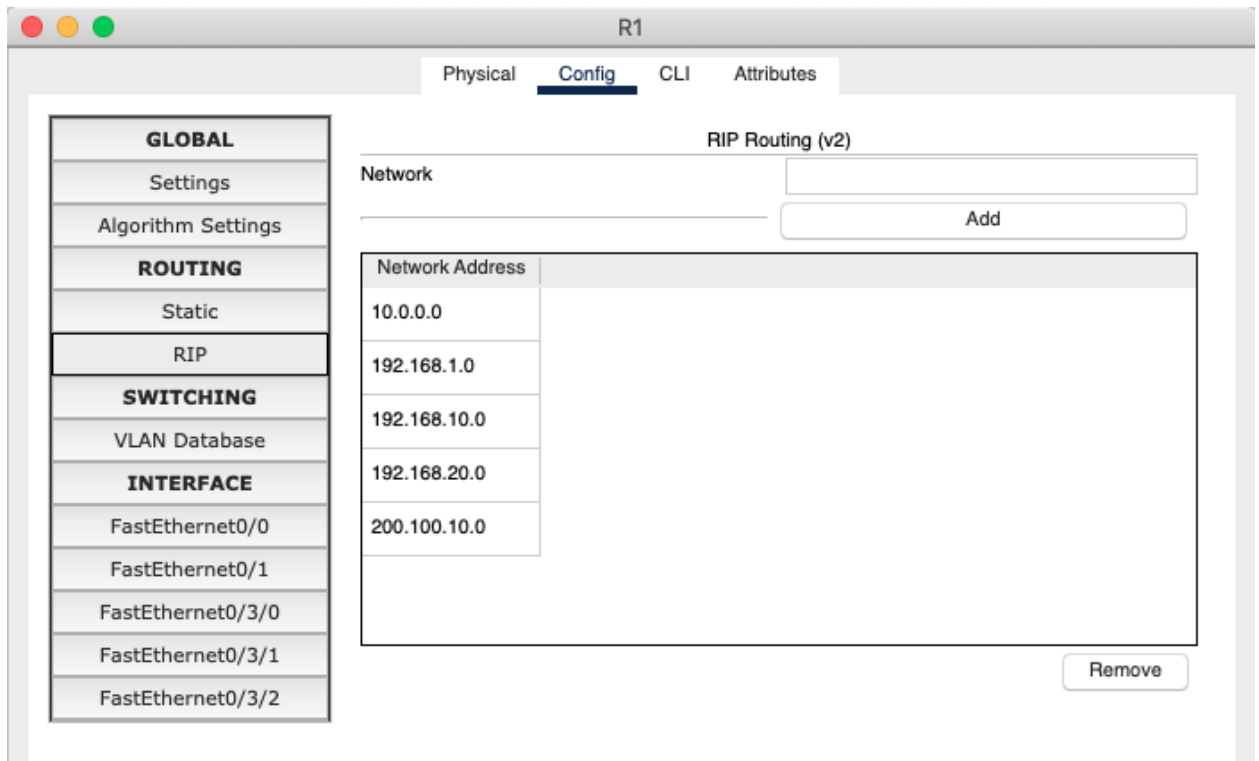
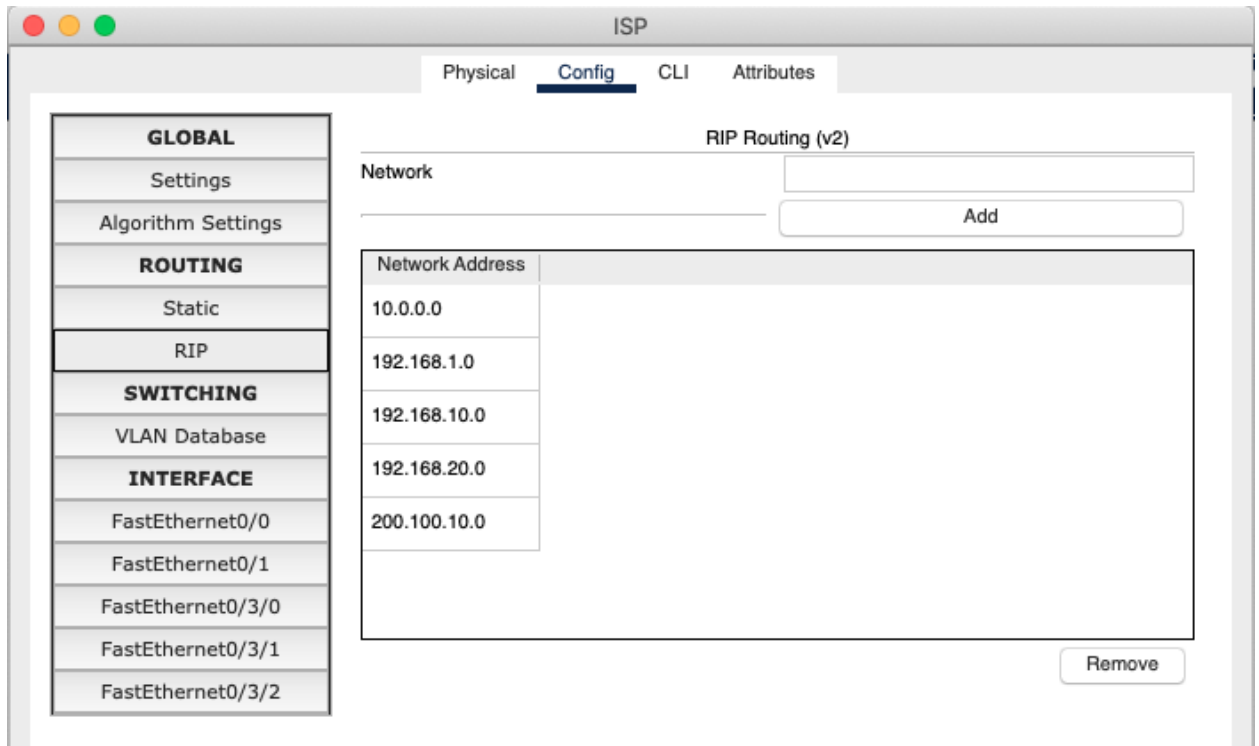
RIP Routing (v2)

Network

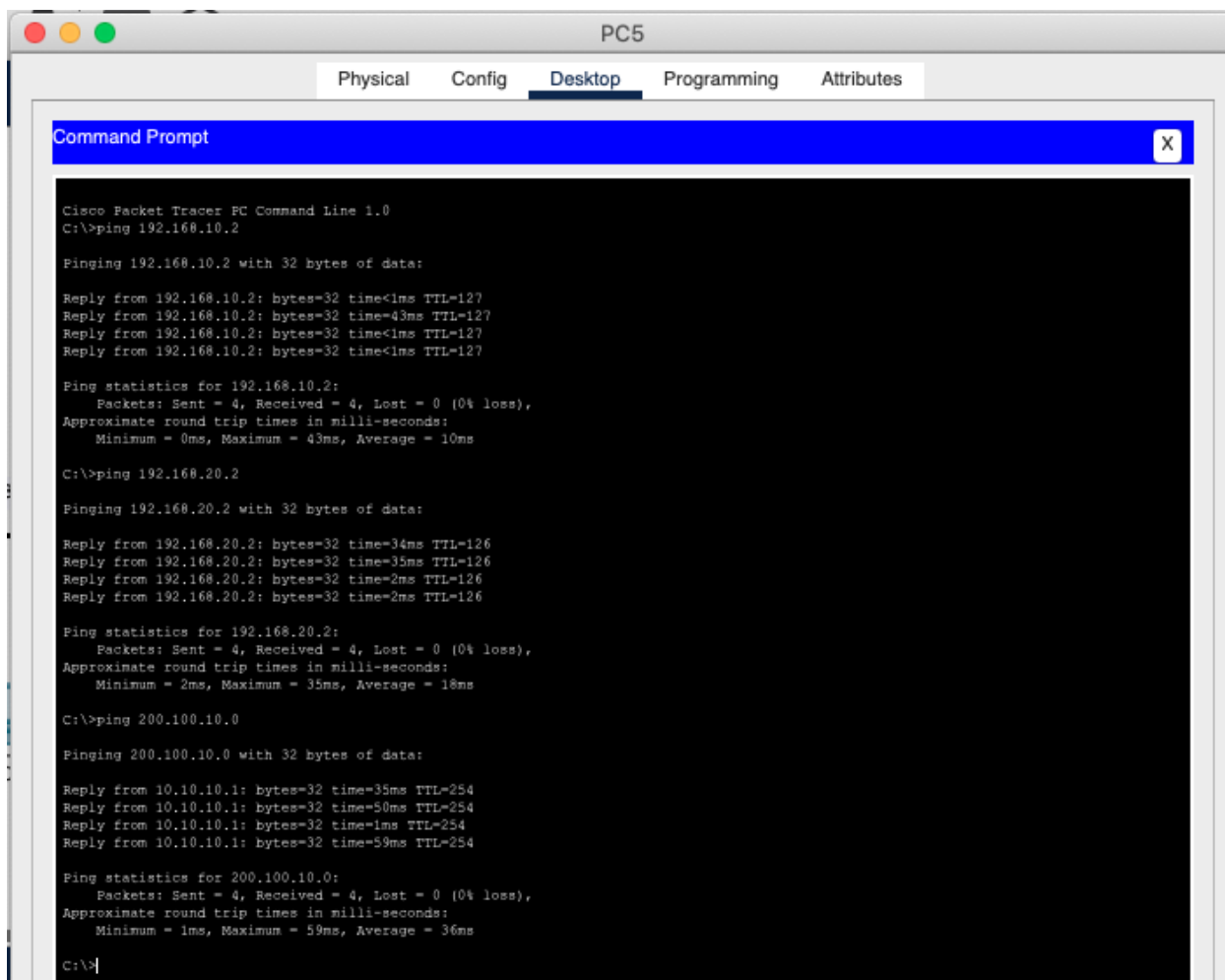
Add

Network Address	
10.0.0.0	
192.168.1.0	
192.168.10.0	
192.168.20.0	
200.100.10.0	

Remove



Ping antar device :



```
PC2
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.2: bytes=32 time=1ms TTL=127
Reply from 192.168.1.2: bytes=32 time<1ms TTL=127
Reply from 192.168.1.2: bytes=32 time=27ms TTL=127

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 27ms, Average = 9ms

C:\>ping 192.168.20.2

Pinging 192.168.20.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.2: bytes=32 time=41ms TTL=126
Reply from 192.168.20.2: bytes=32 time=1ms TTL=126
Reply from 192.168.20.2: bytes=32 time=32ms TTL=126

Ping statistics for 192.168.20.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 41ms, Average = 24ms

C:\>ping 200.100.10.0

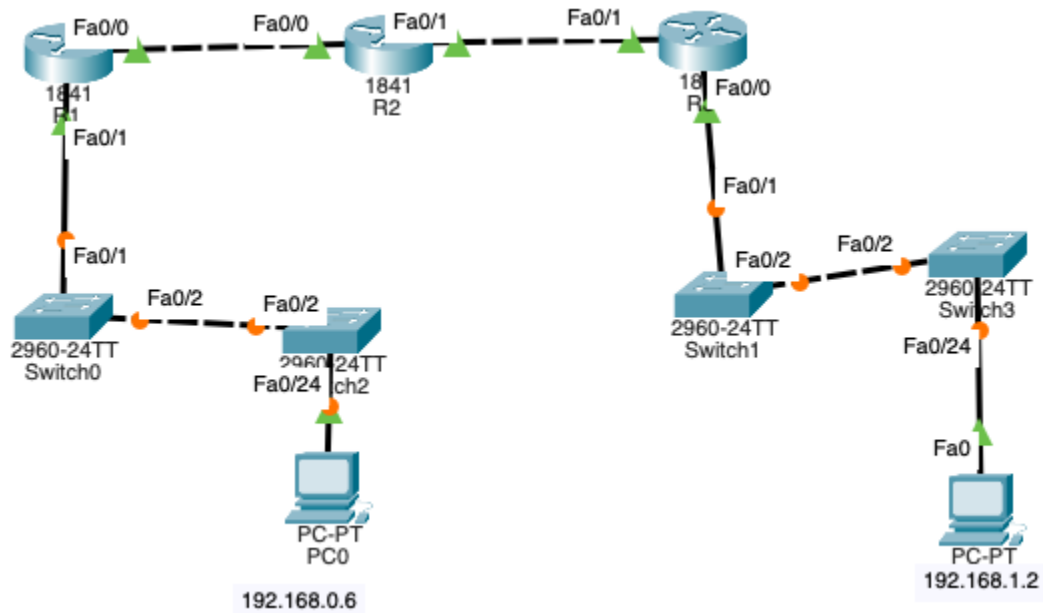
Pinging 200.100.10.0 with 32 bytes of data:

Reply from 10.10.10.1: bytes=32 time=1ms TTL=254
Reply from 10.10.10.1: bytes=32 time=43ms TTL=254
Reply from 10.10.10.1: bytes=32 time=28ms TTL=254
Reply from 10.10.10.1: bytes=32 time=2ms TTL=254

Ping statistics for 200.100.10.0:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 43ms, Average = 18ms

C:\>
```

3. Permasalahan yang harus di selesaikan : PC0 tidak bisa ping ke PC 1 !



Jawaban :

Konfigurasi router :

The screenshot shows a web-based configuration interface for a router named R1. The interface has a top navigation bar with tabs: Physical, Config (selected), CLI, and Attributes. On the left is a sidebar menu with categories: GLOBAL (containing Settings and Algorithm Settings), ROUTING (containing Static and RIP), SWITCHING (containing VLAN Database), and INTERFACE (containing FastEthernet0/0 and FastEthernet0/1). The main content area is titled 'Static Routes' and contains three input fields for 'Network', 'Mask', and 'Next Hop'. Below these fields is an 'Add' button. A table below the 'Add' button shows the current static routes. The table has a header 'Network Address' and one entry: '192.168.1.0/24 via 10.0.0.2'. At the bottom right of the table is a 'Remove' button.

Network Address
192.168.1.0/24 via 10.0.0.2

R2

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network

Mask

Next Hop

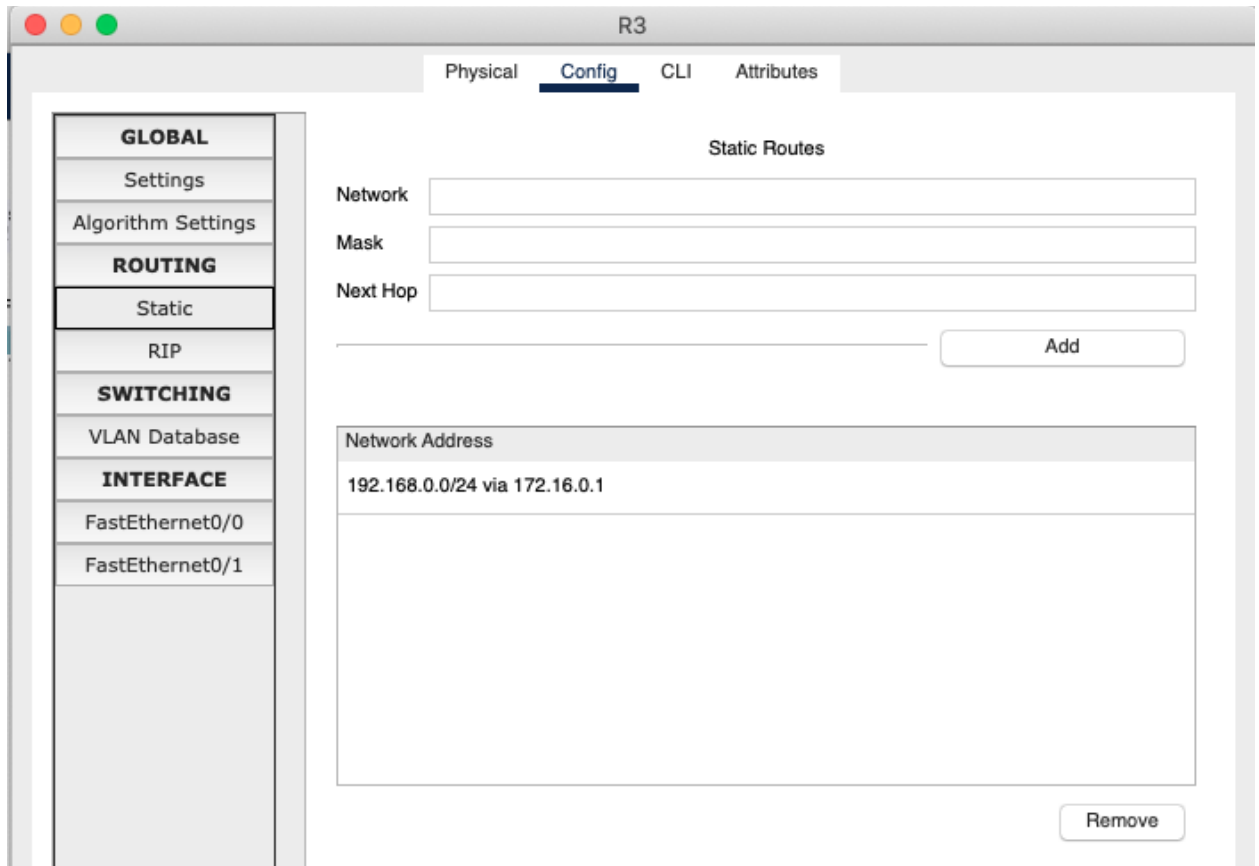
Add

Network Address

192.168.1.0/24 via 172.16.0.2

192.168.0.0/24 via 10.0.0.1

Remove



Ping antar device :

