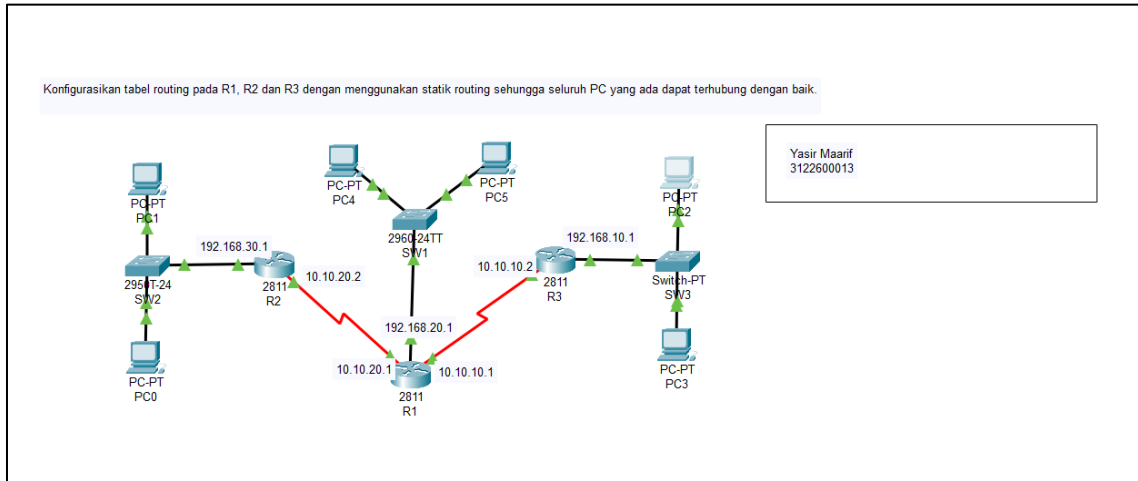


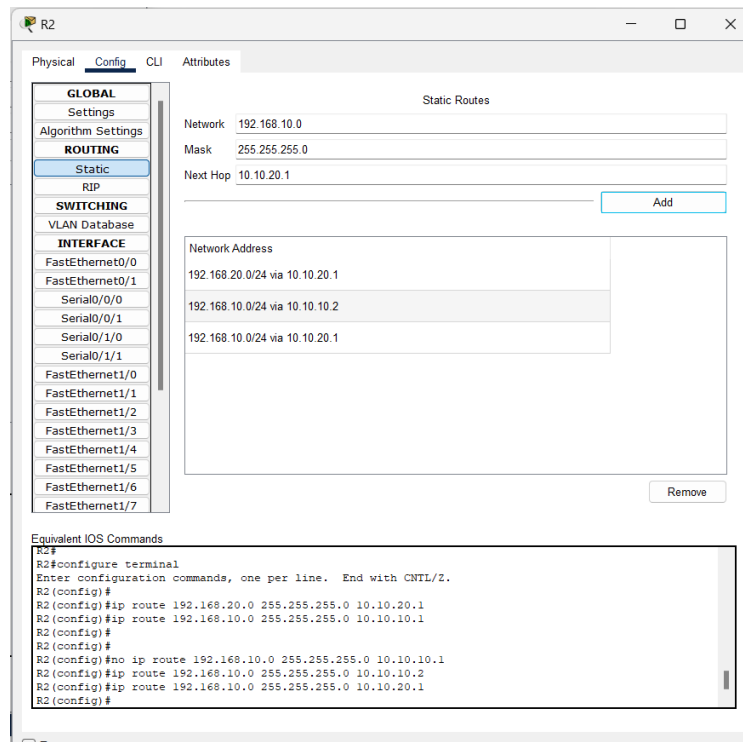
Nama : Yasir Maarif  
NRP : 3122600013  
Kelas : 2 D4 IT A

Mata Kuliah : Praktikum Konsep Jaringan  
Dosen : Dr. Ferry Astika Saputra ST, M.Sc

## 1. Soal no 1



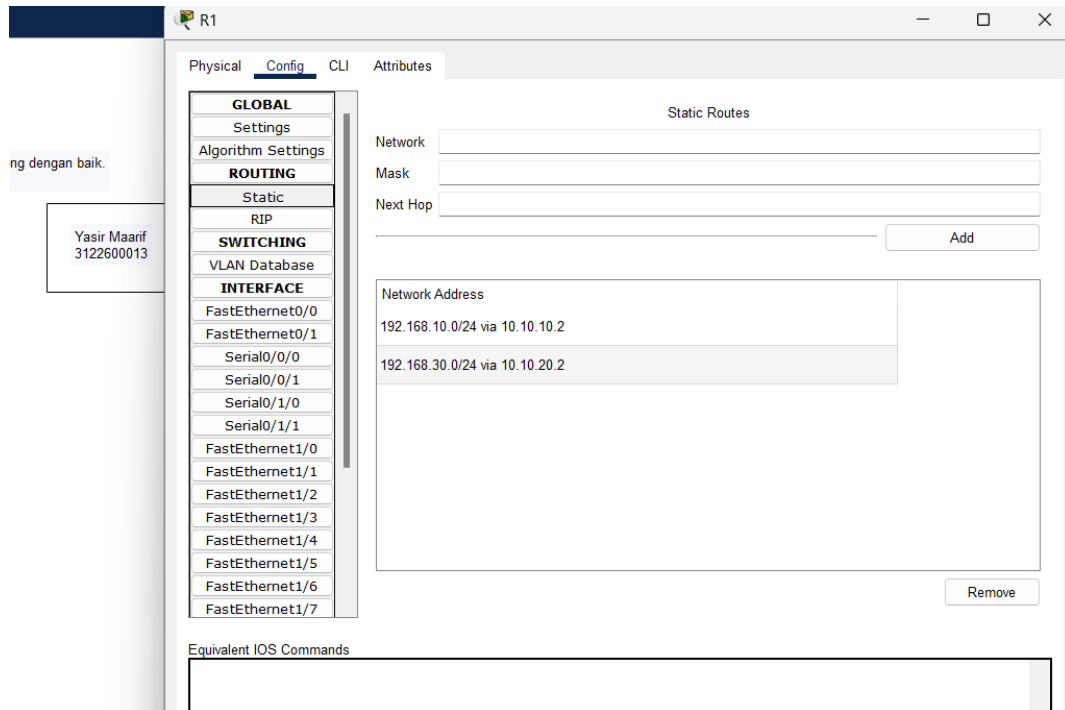
### a. Konfigurasi static R2



## b. Konfigurasi static R1

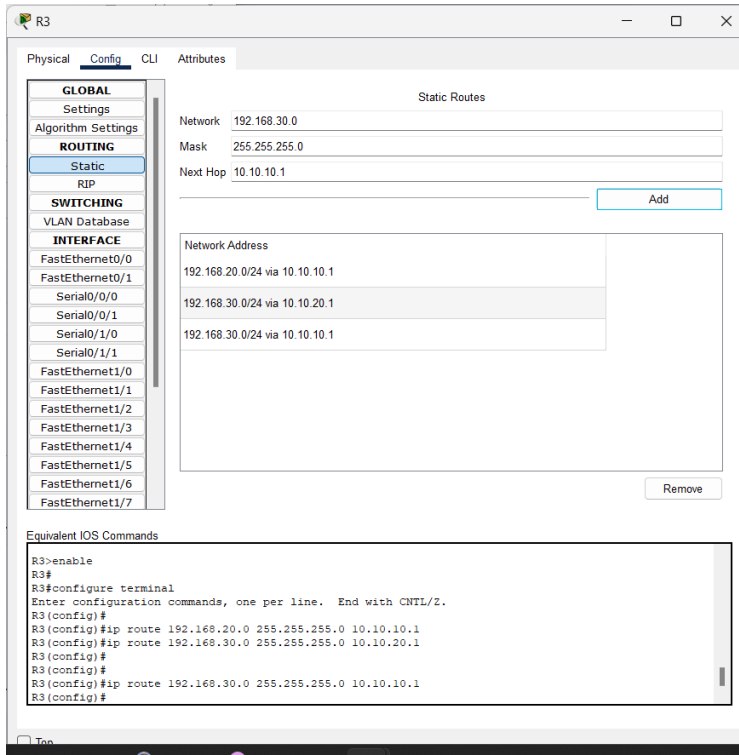
ng dengan baik.

Yasir Maarif  
3122600013



The screenshot shows the configuration window for router R1. The 'Config' tab is active, and the 'Static Routes' section is selected. The left sidebar shows a tree view with categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0 to FastEthernet1/7). The 'Static Routes' section has fields for Network, Mask, and Next Hop, with an 'Add' button. Below these fields is a table for 'Network Address' with two entries: '192.168.10.0/24 via 10.10.10.2' and '192.168.30.0/24 via 10.10.20.2'. A 'Remove' button is at the bottom right. The 'Equivalent IOS Commands' section is empty.

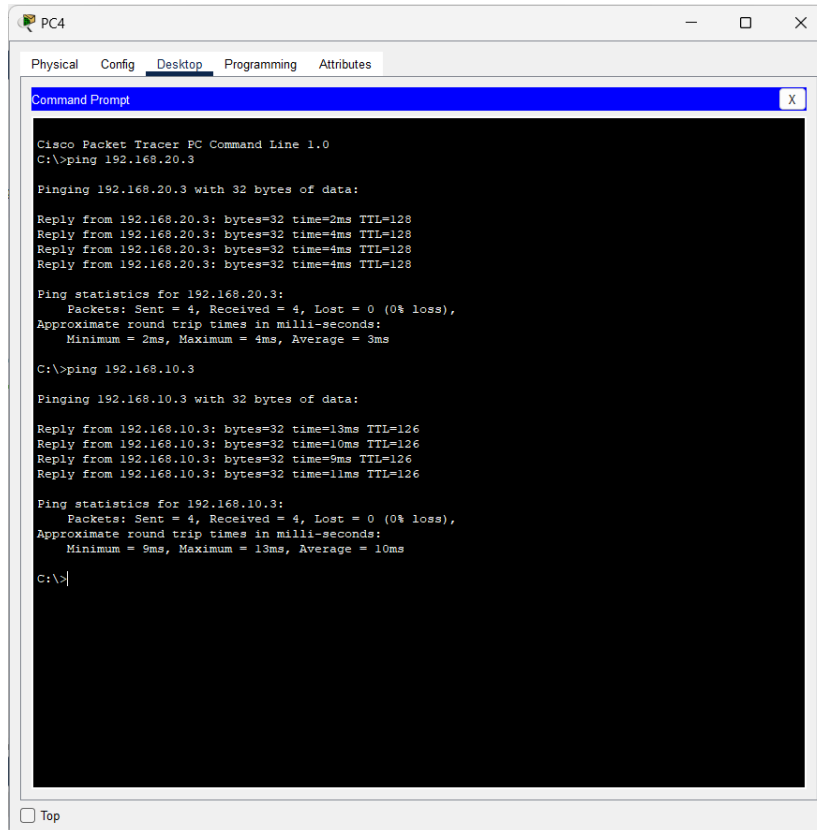
## c. Konfigurasi static R3



The screenshot shows the configuration window for router R3. The 'Config' tab is active, and the 'Static Routes' section is selected. The left sidebar shows a tree view with categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0 to FastEthernet1/7). The 'Static Routes' section has fields for Network, Mask, and Next Hop, with an 'Add' button. Below these fields is a table for 'Network Address' with three entries: '192.168.20.0/24 via 10.10.10.1', '192.168.30.0/24 via 10.10.20.1', and '192.168.30.0/24 via 10.10.10.1'. A 'Remove' button is at the bottom right. The 'Equivalent IOS Commands' section contains the following commands:

```
R3>enable
R3#
R3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#
R3(config)#ip route 192.168.20.0 255.255.255.0 10.10.10.1
R3(config)#ip route 192.168.30.0 255.255.255.0 10.10.20.1
R3(config)#
R3(config)#
R3(config)#ip route 192.168.30.0 255.255.255.0 10.10.10.1
R3(config)#
```

d. Bukti Screenshot



The screenshot shows the Command Prompt window for PC4 in Cisco Packet Tracer. The window has a title bar with 'PC4' and standard minimize, maximize, and close buttons. Below the title bar are tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes', with 'Desktop' currently selected. The Command Prompt itself has a blue title bar with 'Command Prompt' and a close button. The text inside the Command Prompt is as follows:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

Reply from 192.168.20.3: bytes=32 time=2ms TTL=128
Reply from 192.168.20.3: bytes=32 time=4ms TTL=128
Reply from 192.168.20.3: bytes=32 time=4ms TTL=128
Reply from 192.168.20.3: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 4ms, Average = 3ms

C:\>ping 192.168.10.3

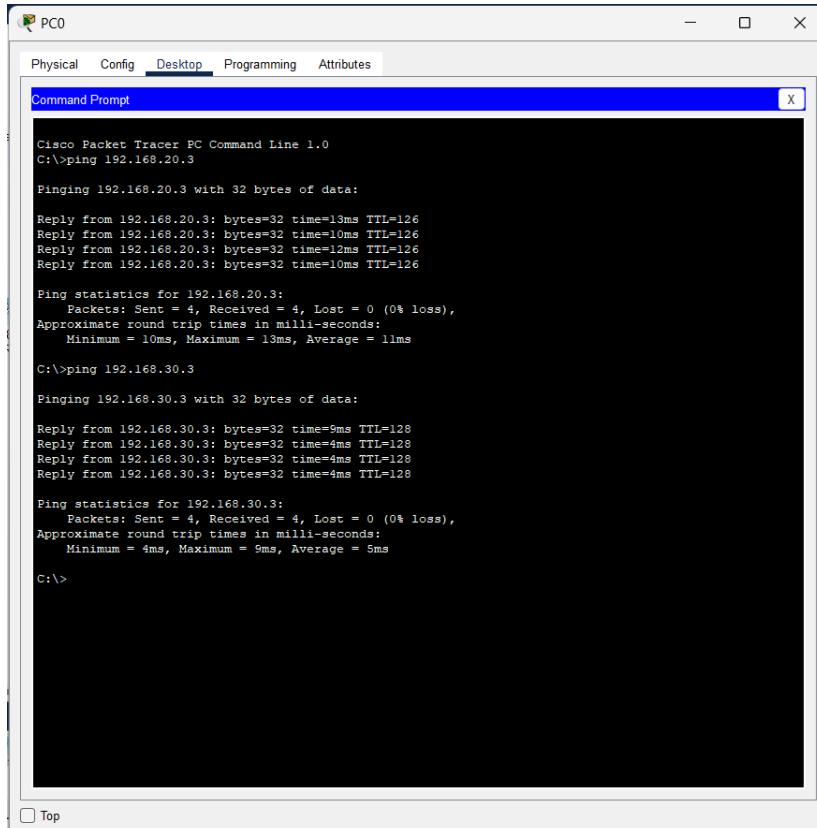
Pinging 192.168.10.3 with 32 bytes of data:

Reply from 192.168.10.3: bytes=32 time=13ms TTL=126
Reply from 192.168.10.3: bytes=32 time=10ms TTL=126
Reply from 192.168.10.3: bytes=32 time=9ms TTL=126
Reply from 192.168.10.3: bytes=32 time=11ms TTL=126

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 9ms, Maximum = 13ms, Average = 10ms

C:\>
```

At the bottom left of the Command Prompt window, there is a 'Top' button.



The screenshot shows the Command Prompt window for PC0 in Cisco Packet Tracer. The window has a title bar with 'PC0' and standard minimize, maximize, and close buttons. Below the title bar are tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes', with 'Desktop' currently selected. The Command Prompt itself has a blue title bar with 'Command Prompt' and a close button. The text inside the Command Prompt is as follows:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

Reply from 192.168.20.3: bytes=32 time=13ms TTL=126
Reply from 192.168.20.3: bytes=32 time=10ms TTL=126
Reply from 192.168.20.3: bytes=32 time=12ms TTL=126
Reply from 192.168.20.3: bytes=32 time=10ms TTL=126

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 10ms, Maximum = 13ms, Average = 11ms

C:\>ping 192.168.30.3

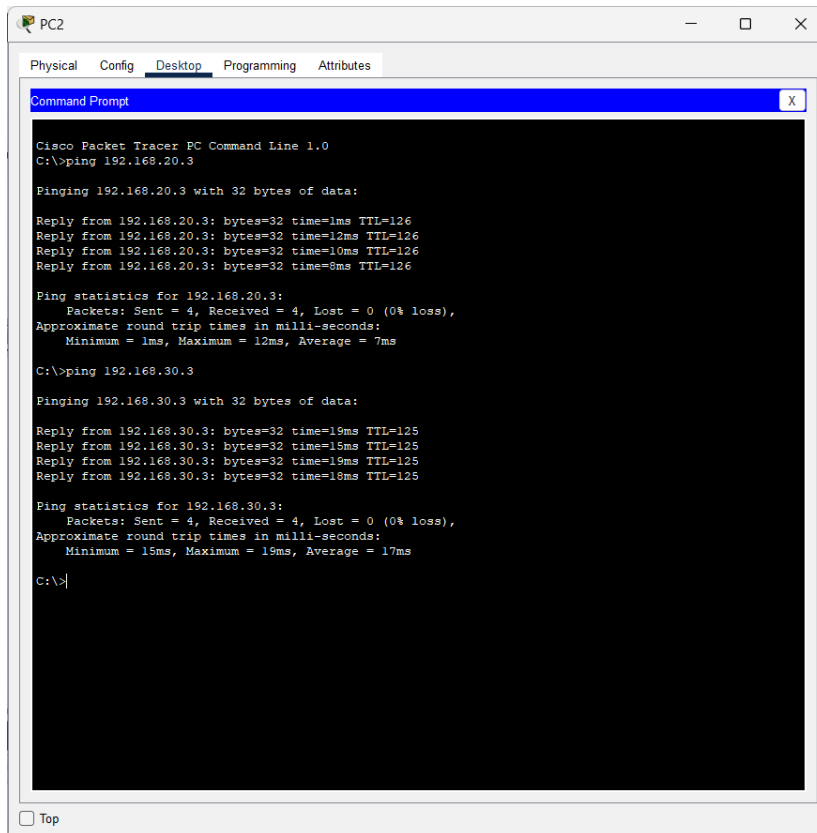
Pinging 192.168.30.3 with 32 bytes of data:

Reply from 192.168.30.3: bytes=32 time=9ms TTL=128
Reply from 192.168.30.3: bytes=32 time=4ms TTL=128
Reply from 192.168.30.3: bytes=32 time=4ms TTL=128
Reply from 192.168.30.3: bytes=32 time=4ms TTL=128

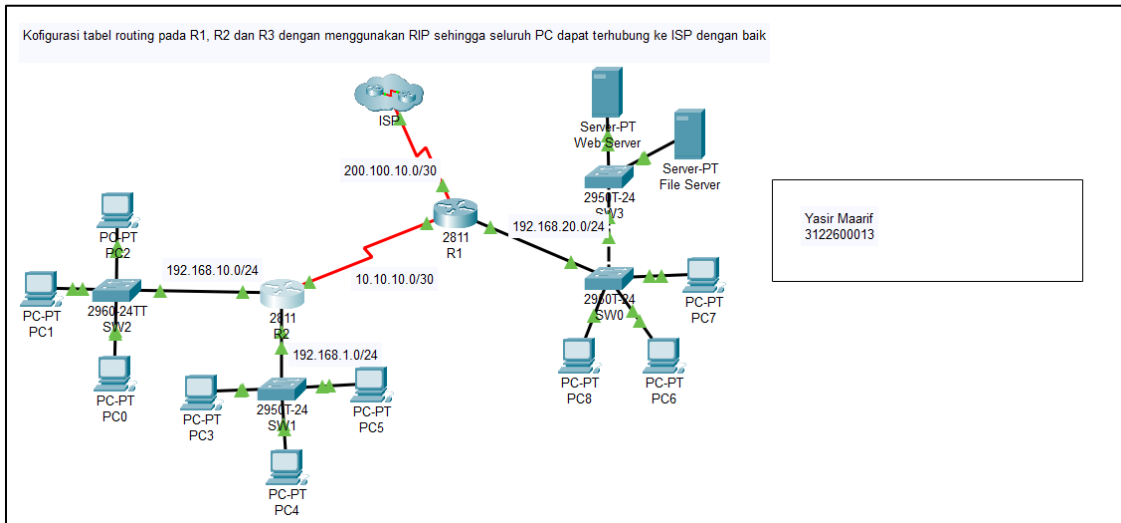
Ping statistics for 192.168.30.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 9ms, Average = 5ms

C:\>
```

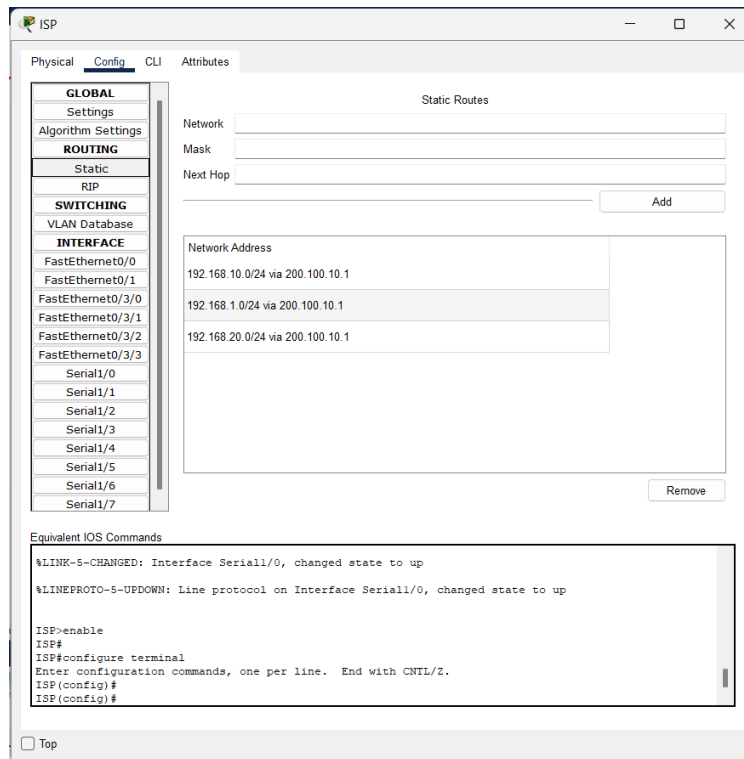
At the bottom left of the Command Prompt window, there is a 'Top' button.



## 2. Soal no 2



### a. Konfigurasi ISP



## b. Konfigurasi R1

The screenshot shows the configuration window for router R1. The left sidebar contains a tree view with categories: GLOBAL (Settings, Algorithm Settings), ROUTING (Static, RIP), SWITCHING (VLAN Database), and INTERFACE (FastEthernet0/0 through FastEthernet0/3/3, Serial1/0 through Serial1/7). The main panel is titled 'Global Settings' and contains fields for 'Display Name' (R1) and 'Hostname' (R1). Below these are buttons for 'NVRAM' (Erase, Save), 'Startup Config' (Load..., Export...), and 'Running Config' (Export..., Merge...). At the bottom, a text area titled 'Equivalent IOS Commands' contains the following text:

```
!LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up
!LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/1, changed state to up

R1>enable
R1#
R1#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#
R1(config)#
```

A 'Top' button is located at the bottom left of the window.

## c. Konfigurasi R2

The screenshot shows the configuration window for router R2. The left sidebar is identical to the one in the R1 window. The main panel is titled 'Static Routes' and contains fields for 'Network', 'Mask', and 'Next Hop', followed by an 'Add' button. Below this is a table for 'Network Address' with two entries:

Network Address
192.168.20.0/24 via 10.10.10.1
200.100.10.0/24 via 10.10.10.1

A 'Remove' button is located at the bottom right of the table. At the bottom, a text area titled 'Equivalent IOS Commands' contains the following text:

```
R2>enable
R2#
R2#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#
R2(config)#
R2(config)#
R2(config)#
R2(config)#
R2(config)#
```

A 'Top' button is located at the bottom left of the window.

### 3. Soal no 3

#### a. Konfigurasi R1

Yasir Maarif  
3122600013

R1

Physical Config CLI Attributes

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 10.0.0.2

Remove

#### b. Konfigurasi R2

R2

Physical Config CLI Attributes

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

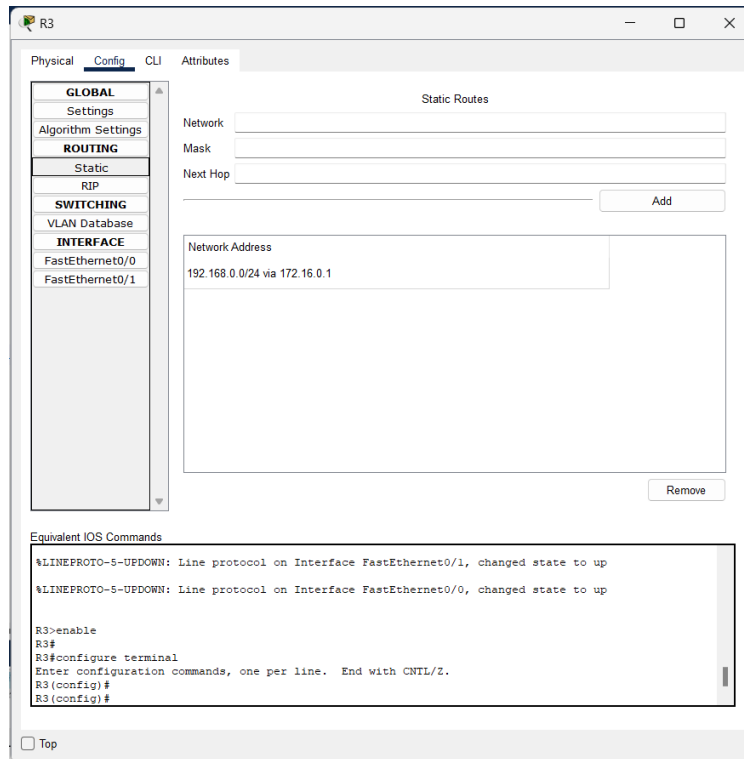
Equivalent IOS Commands

```
!LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
00:00:45: %OSPF-5-ADJCHG: Process 1, Nbr 3.3.3.3 on FastEthernet0/0 from LOADING to FULL, Loading Done

R2>enable
R2#
R2#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#
R2(config)#
```

☐ Top

### c. Konfigurasi R3



### d. Bukti screenshot

