LAPORAN SOAL UAS

NAMA DOSEN PENGAMPU DAN GELAR

Dr. Ferry Astika Saputra ST, M.Sc

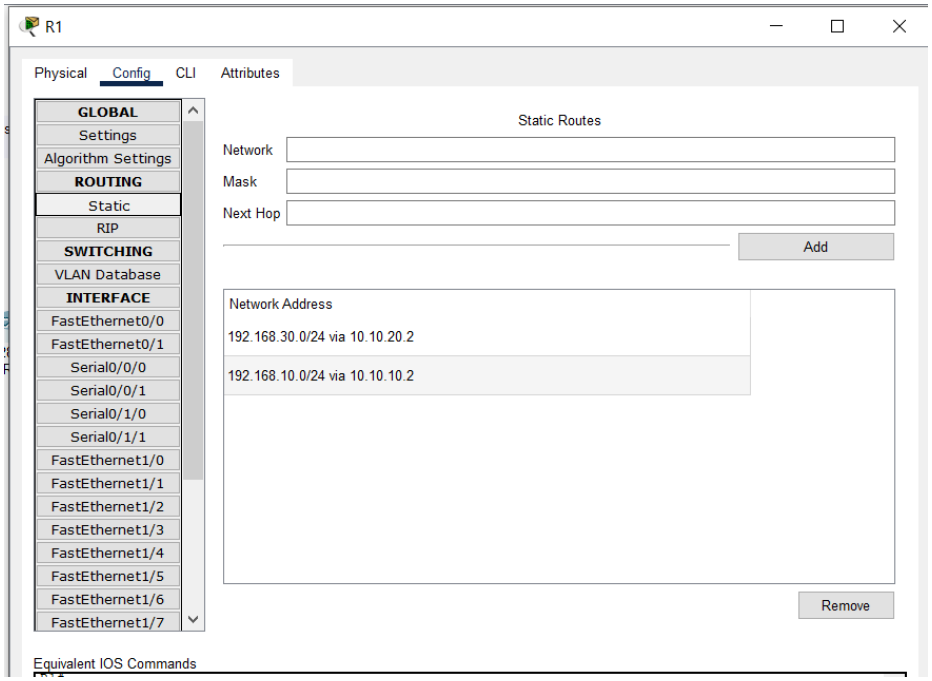
Nama: Ezra Septian Handyanto

Kelas : 2 D4 IT A

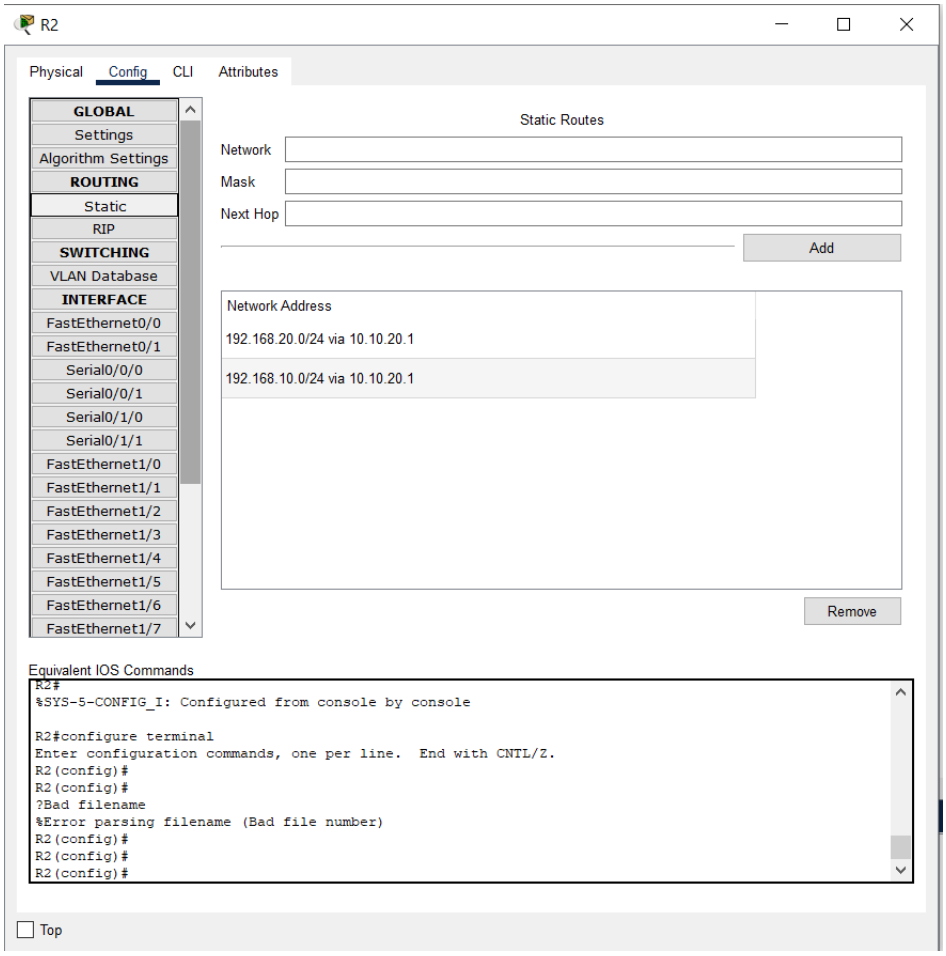
NRP : 3122600016

Jawaban Soal No 1:

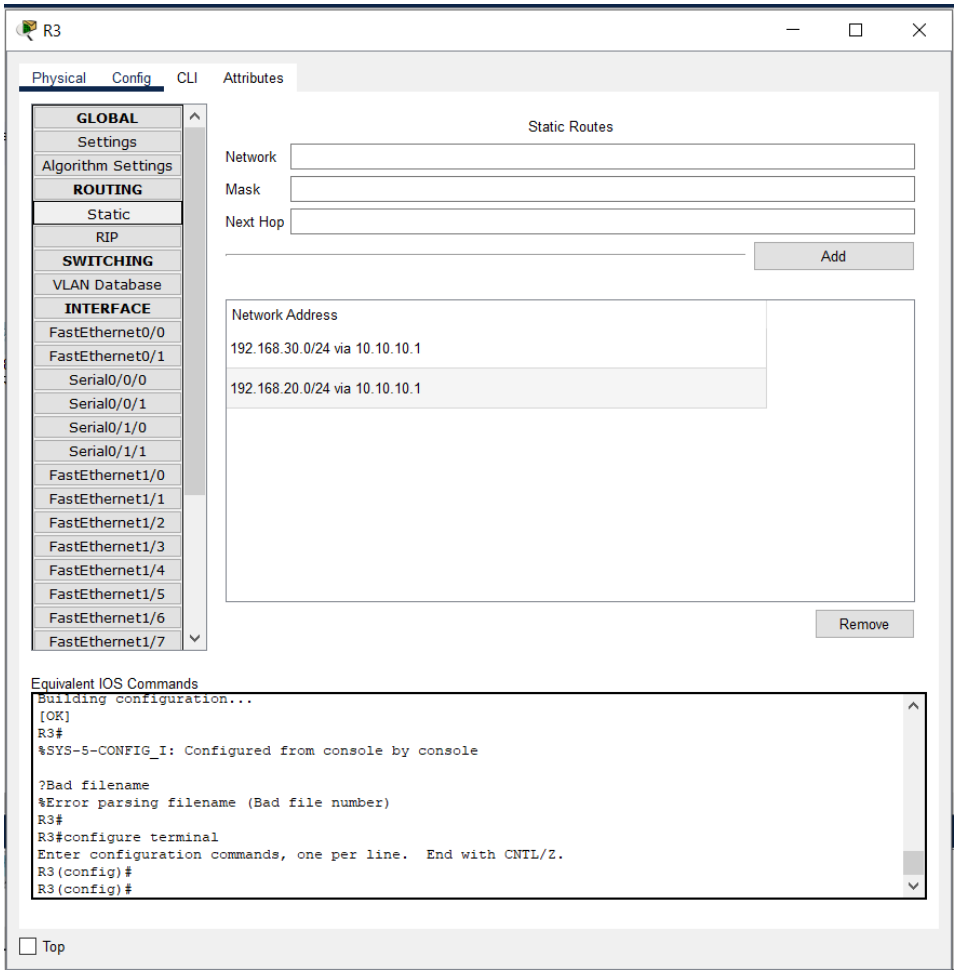
Static Routing R1:



Static Routing R2:

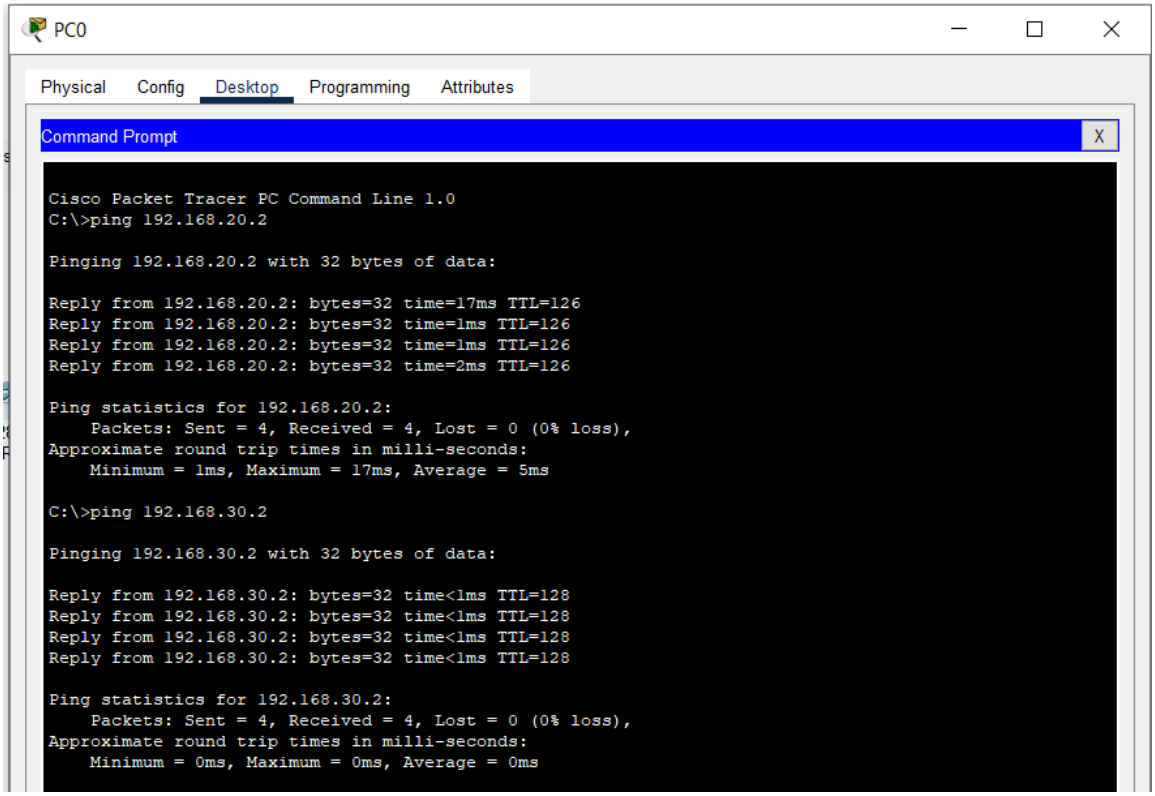


Static Routing R3:

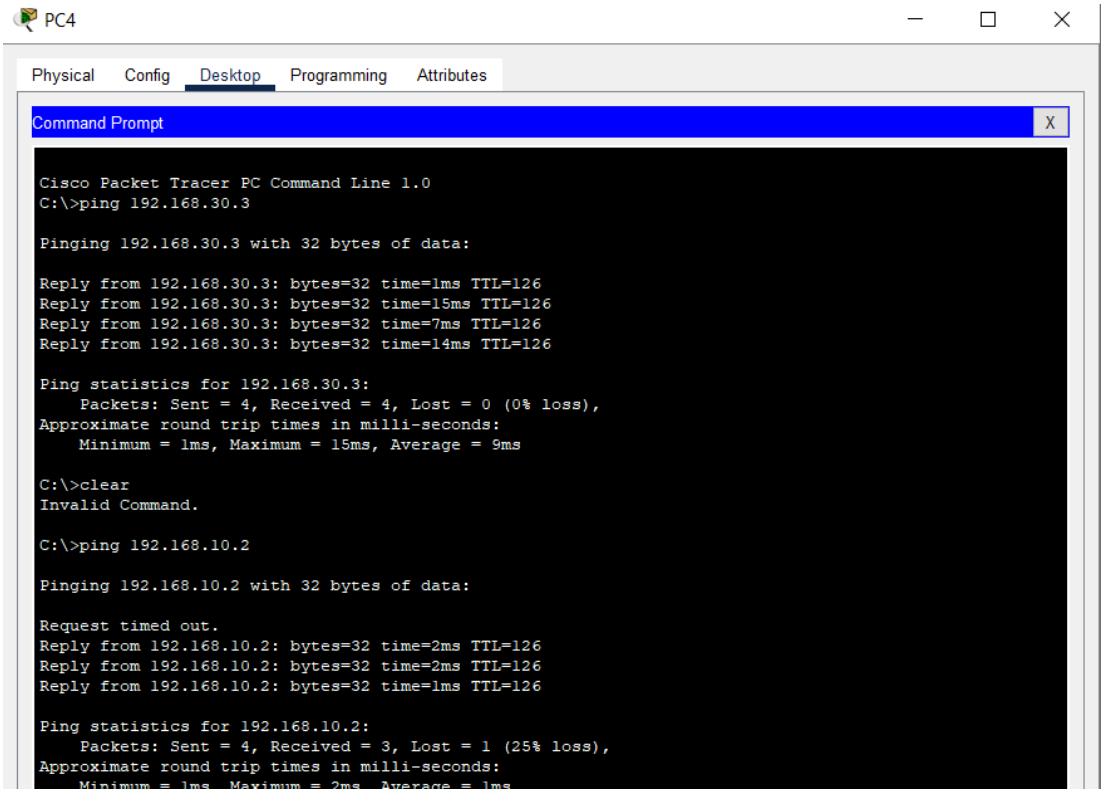


Tes Ping:

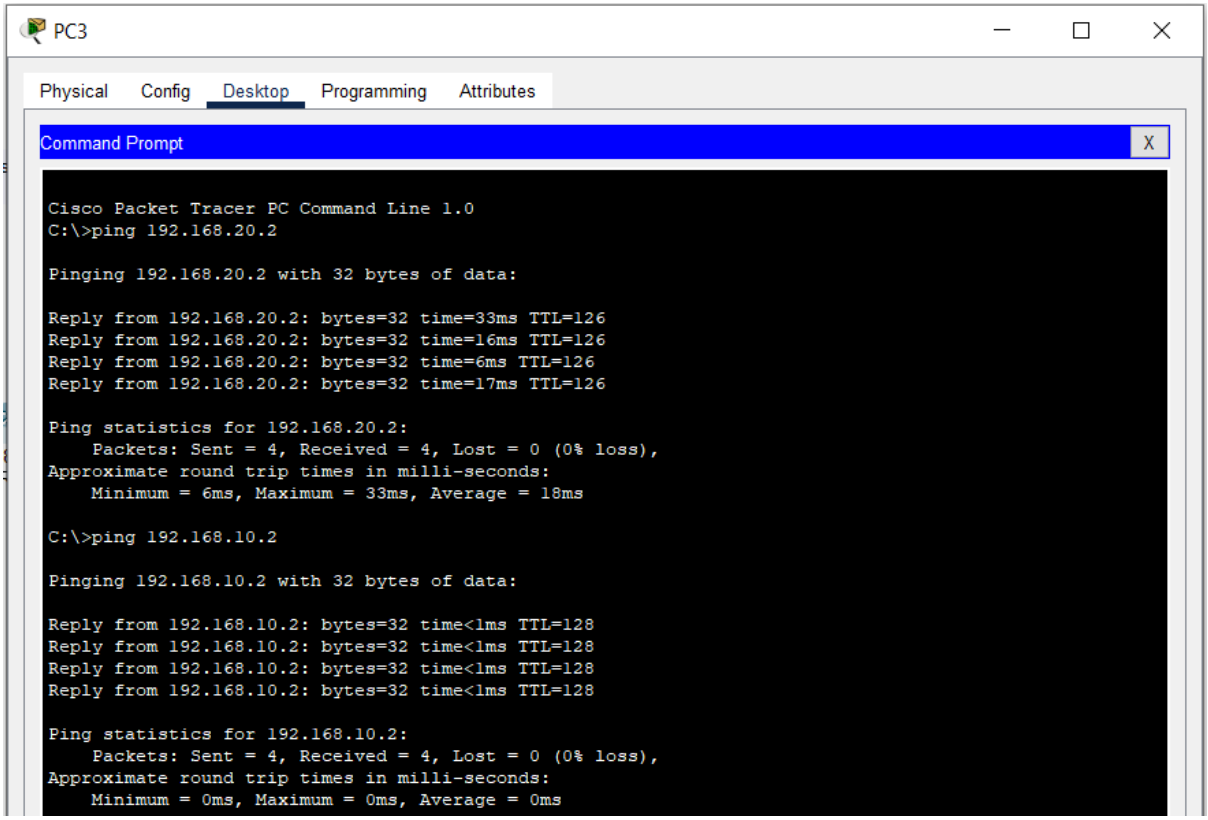
PC0 (network 192.168.10.0) ke network 192.168.20.0 dan 192.168.30.0



PC4 (network 192.168.20.0) ke network 192.168.10.0 dan 192.168.30.0



PC3 (network 192.168.30.0) ke network 192.168.10.0 dan 192.168.20.0



Jawaban Soal no 2:

Penambahan RIP pada tiap router:

10.0.0.0 (Network antar Router)

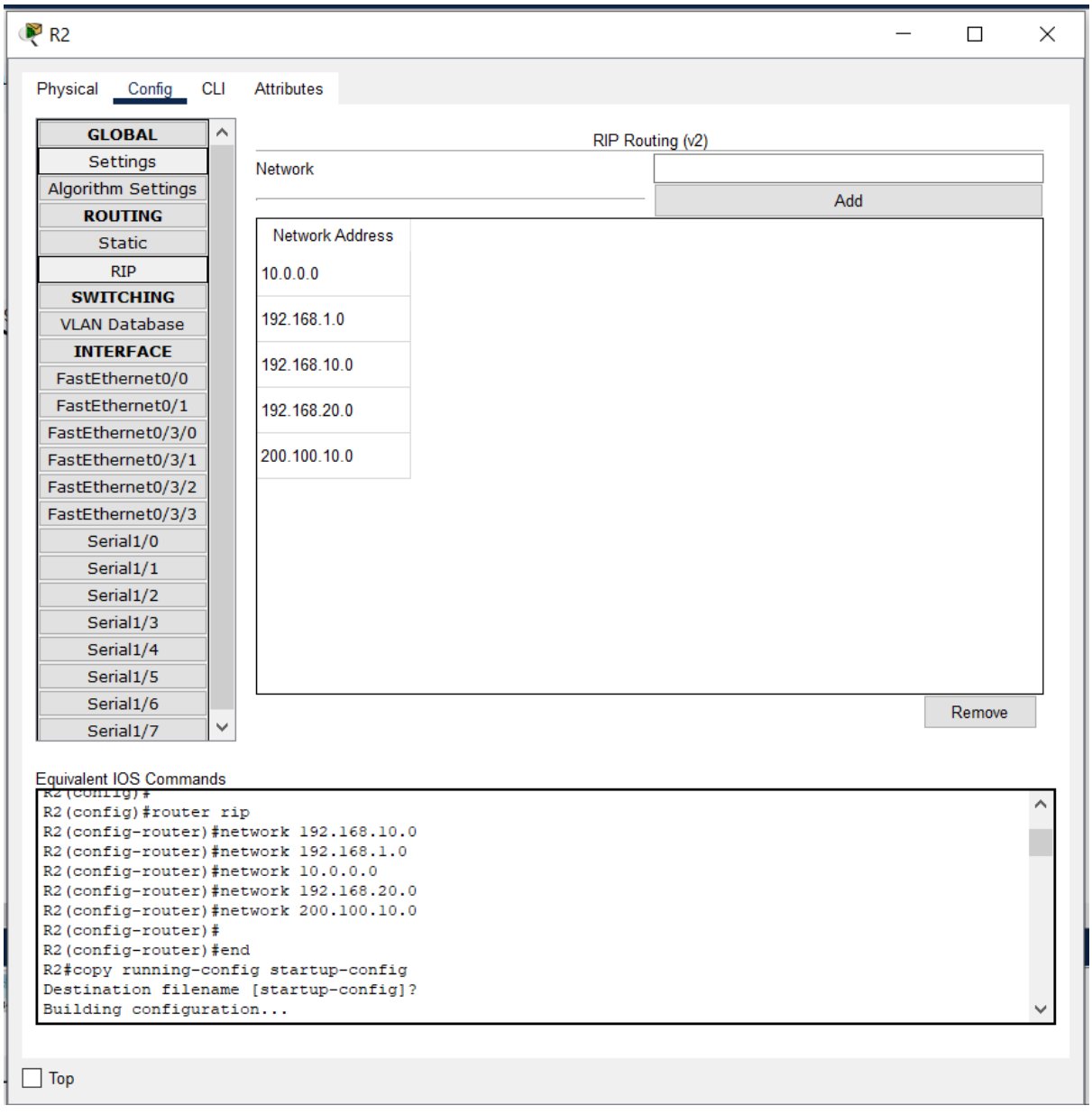
192.168.1.0 (Network ke PC pada R2)

192.168.10.0 (Network ke PC pada R2)

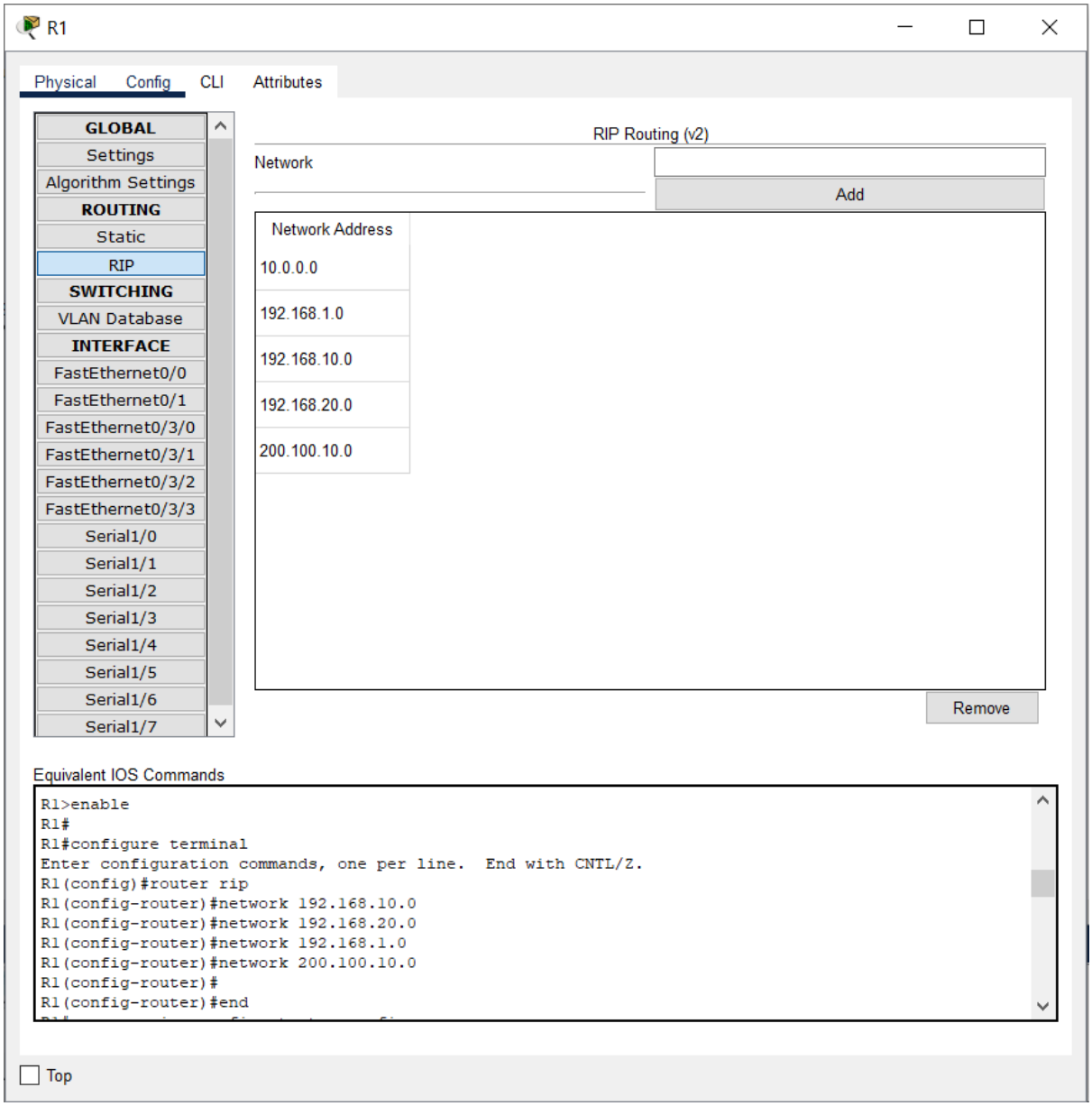
192.168.20.0 (Network ke PC pada R1)

200.100.10.0 (Network ke Router ISP)

R2:



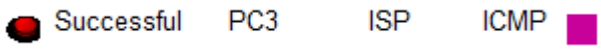
R1:



Tes Ping ke ISP:

PC0 (Network 192.168.10.0) ke ISP:

PC3(Network 192.168.1.0) ke ISP:

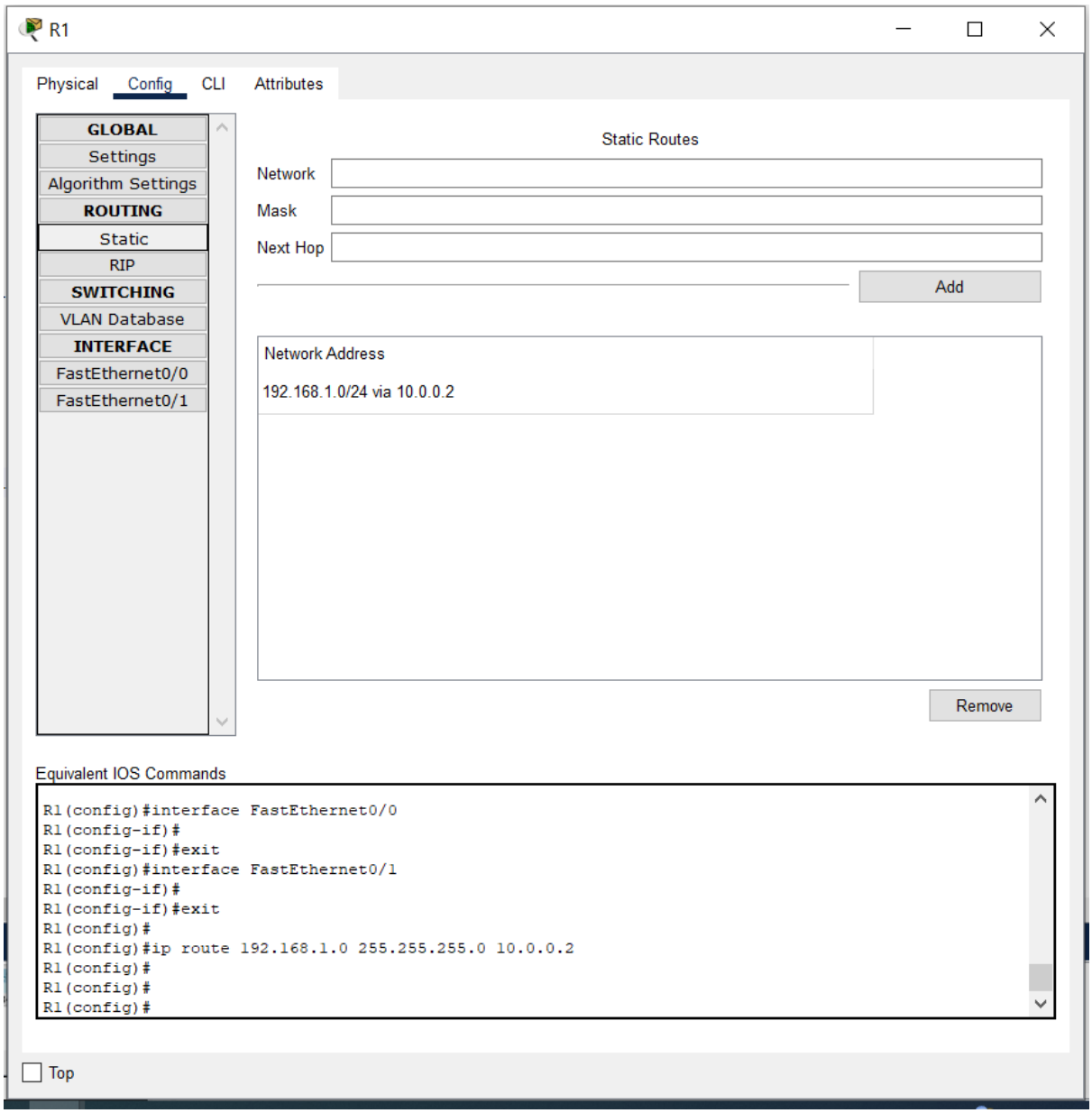


PC8 (Network 192.168.20.0) ke ISP:

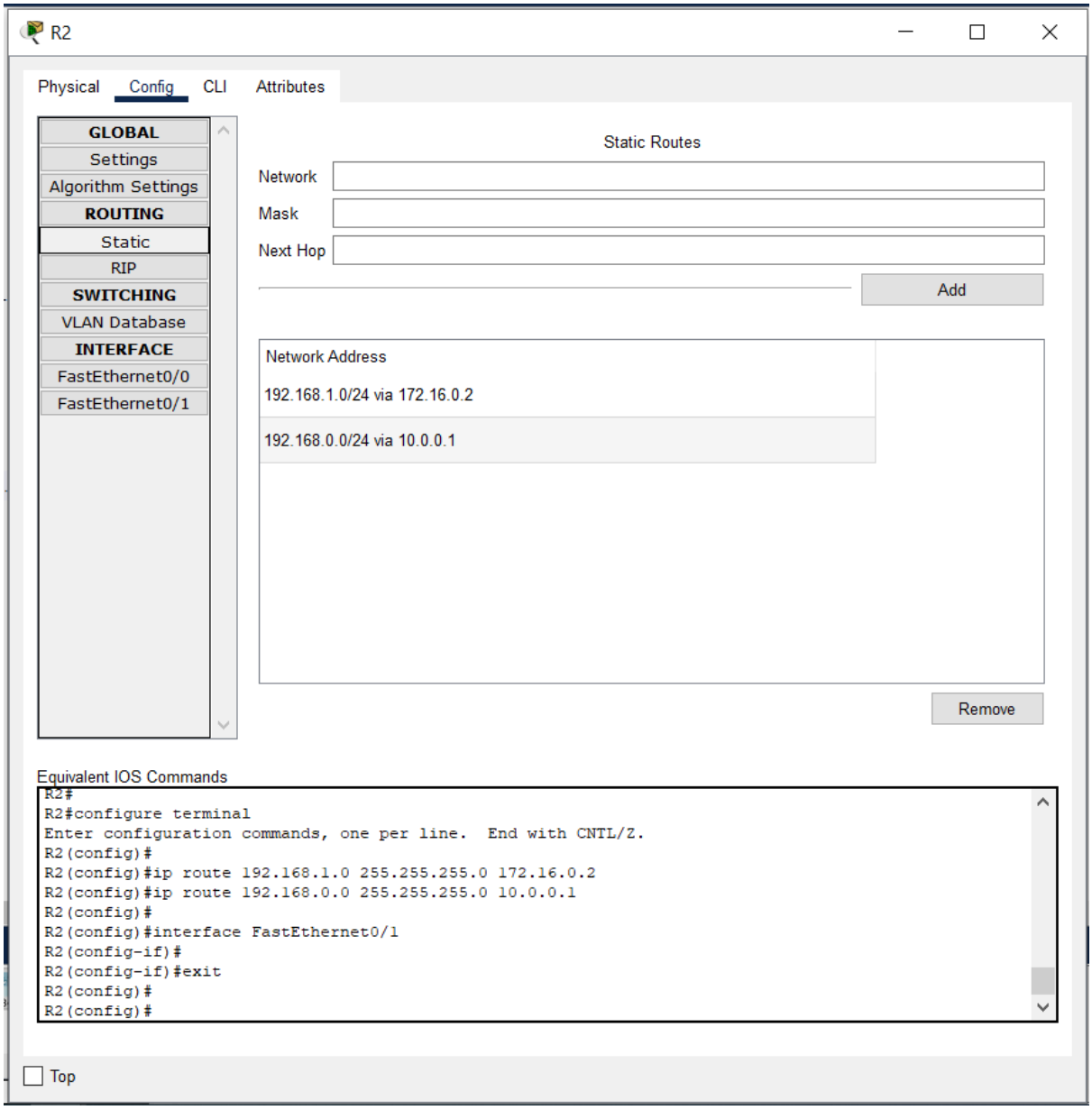
Jawaban Soal No 3:

Tambahkan Static Route pada masing masing router:

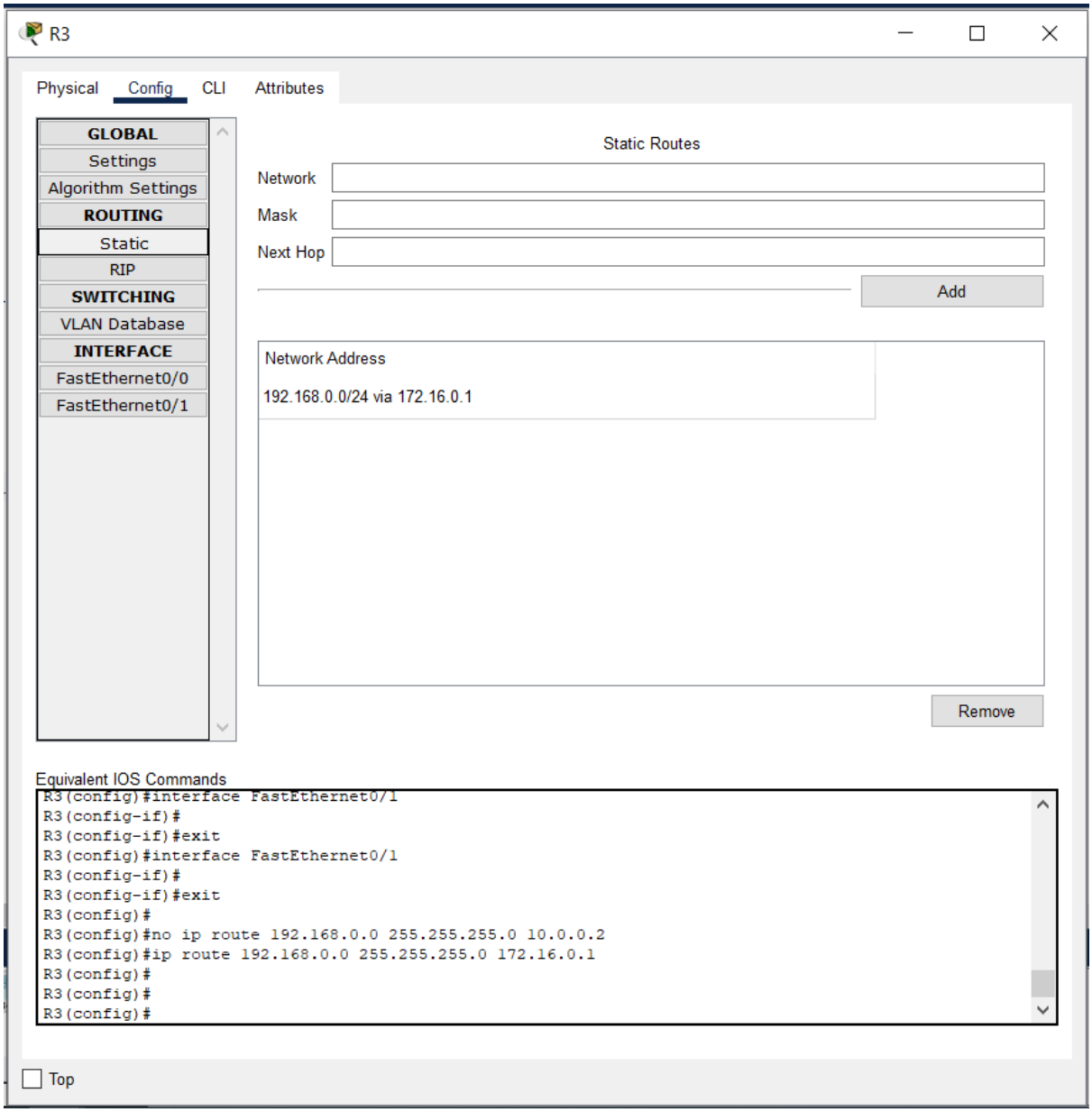
R1:



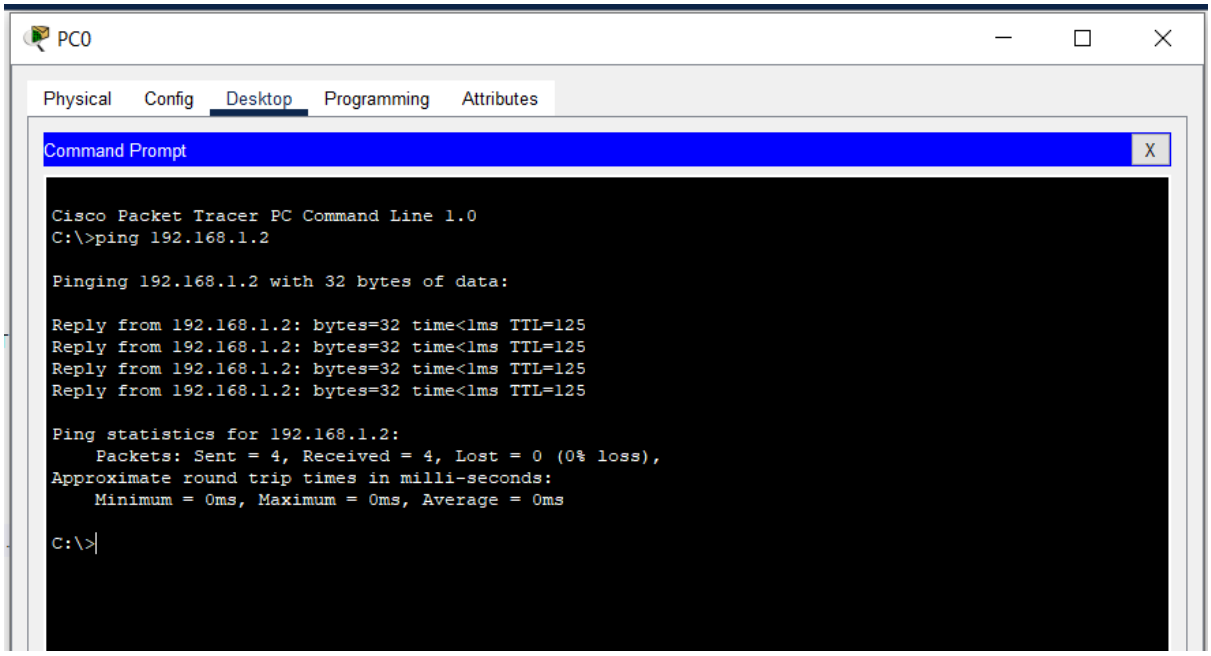
R2:


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
R2#
R2#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#
R2(config)#ip route 192.168.1.0 255.255.255.0 172.16.0.2
R2(config)#ip route 192.168.0.0 255.255.255.0 10.0.0.1
R2(config)#
R2(config)#interface FastEthernet0/1
R2(config-if)#
R2(config-if)#exit
R2(config)#
R2(config)#
Top

R3:


R3
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
192.168.0.0/24 via 172.16.0.1
Remove
Equivalent IOS Commands
R3(config)#interface FastEthernet0/1
R3(config-if)#
R3(config-if)#exit
R3(config)#interface FastEthernet0/1
R3(config-if)#
R3(config-if)#exit
R3(config)#
R3(config)#no ip route 192.168.0.0 255.255.255.0 10.0.0.2
R3(config)#ip route 192.168.0.0 255.255.255.0 172.16.0.1
R3(config)#
R3(config)#
R3(config)#
Top

Tes ping:


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Reply from 192.168.1.2: bytes=32 time<1ms TTL=125
Ping statistics for 192.168.1.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>