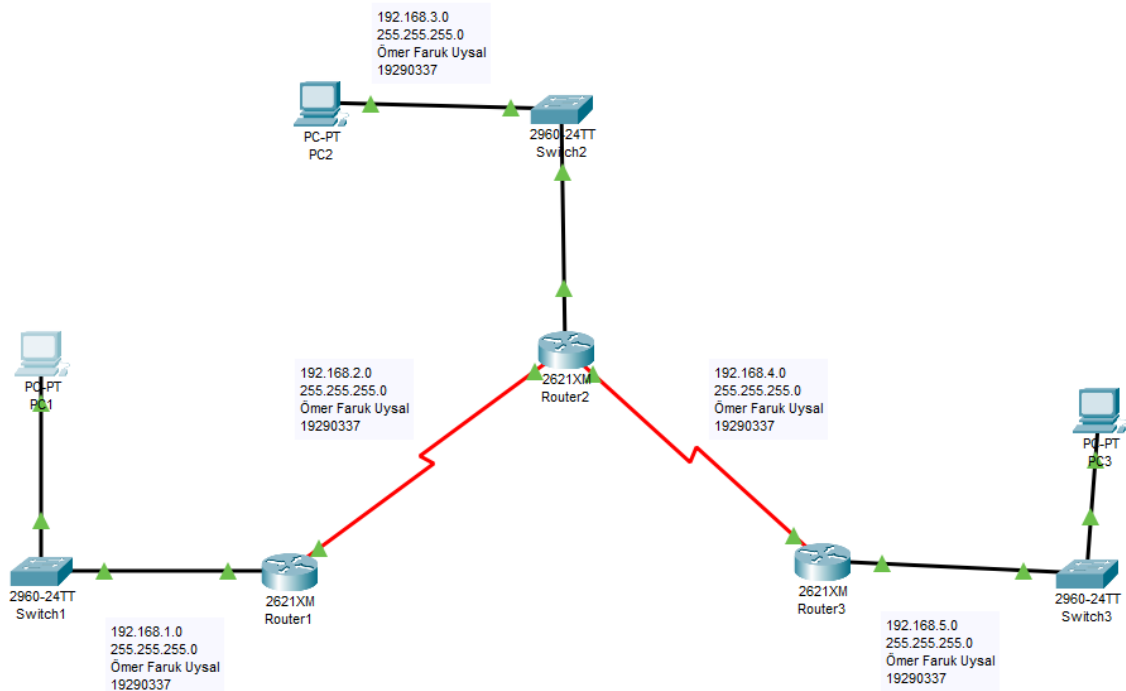


## Homework 5



## CLI configuration for Router 1

```
Router>enable
```

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

```
Router(config)#hostname R1
```

```
R1(config)#interface fastEthernet 0/0
```

```
R1(config-if)#ip address 192.168.1.1 255.255.255.0
```

```
R1(config-if)#no shutdown
```

R1(config-if)#

```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

R1(config-if)#exit

```
R1(config)#interface serial 0/0
```

```
R1(config-if)#ip address 192.168.2.1 255.255.255.0
```

```
R1(config-if)#clock rate 56000
```

```
R1(config-if)#no shutdown
```

```
%LINK-5-CHANGED: Interface Serial0/0, changed state to down
```

```
R1(config-if)#exit
```

```
R1(config)#router rip
```

```
R1(config-router)#network 192.168.1.0
```

```
R1(config-router)#network 192.168.2.0
```

## CLI configuration for Router 0

```
Router>enable
```

```
Router#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Router(config)#hostname R2
```

```
R2(config)#interface fastEthernet 0/0
```

```
R2(config-if)#ip address 192.168.3.1 255.255.255.0
```

```
R2(config-if)#no shutdown
```

```
R2(config-if)#
```

```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

```
R2(config-if)#exit
```

```
R2(config)#interface serial 0/0
```

```
R2(config-if)#ip address 192.168.2.2 255.255.255.0
```

```
R2(config-if)#no shutdown
```

```
R2(config-if)#
```

```
%LINK-5-CHANGED: Interface Serial0/0, changed state to up
```

```
R2(config-if)#exit
```

```
R2(config)#interface serial 0/1
```

```
R2(config-if)#ip address 192.168.4.2 255.255.255.0
```

```
R2(config-if)#clock rate 56000
```

```
R2(config-if)#no shutdown
```

```
%LINK-5-CHANGED: Interface Serial0/1, changed state to down
```

```
R2(config-if)#exit
```

```
R2(config)#router rip
```

```
R2(config-router)#network 192.168.2.0
```

```
R2(config-router)#network 192.168.3.0
```

```
R2(config-router)#network 192.168.4.0
```

## CLI configuration for Router 2

```
Router>enable
```

```
Router#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Router(config)#hostname R3
```

```
R3(config)#interface fastEthernet 0/0
```

```
R3(config-if)#ip address 192.168.5.1 255.255.255.0
```

```
R3(config-if)#no shutdown
```

```
R3(config-if)#
```

```
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R3(config-if)#exit

R3(config)#interface serial 0/0

R3(config-if)#ip address 192.168.4.1 255.255.255.0

R3(config-if)#no shutdown

R3(config-if)#

%LINK-5-CHANGED: Interface Serial0/0, changed state to up

R3(config-if)#exit

R3(config)#router rip

R3(config-router)#network 192.168.4.0

R3(config-router)#network 192.168.5.0

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