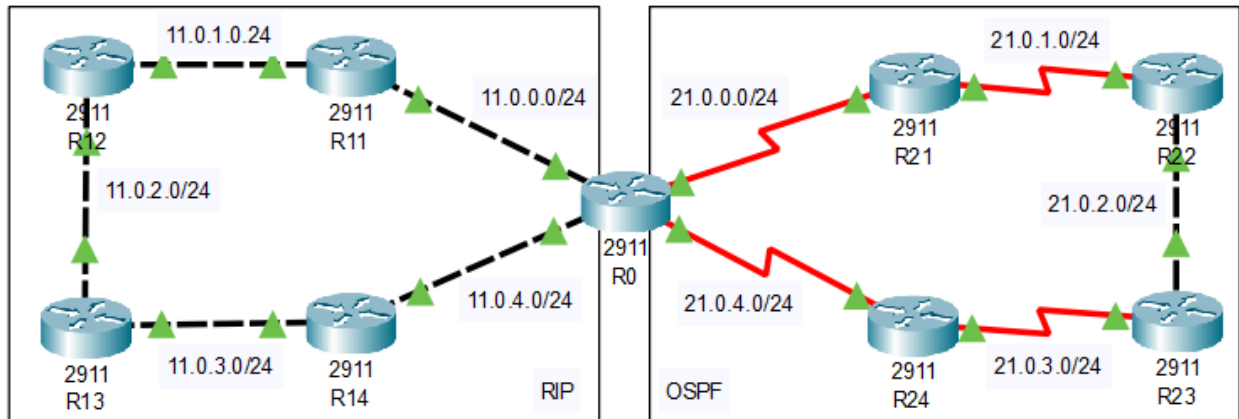**Goal**. Use the provided PKT file and configure it with a goal that all-to-all connectivity shall be established within given network.

1. Configure RIP in the left part of the topology.
2. Configure OSPF in the left part of the topology.
3. Redistribute the routes between the two networks.

1. RIP configuration

```
R0(config)#router rip
R0(config-router)#version 2
R0(config-router)#no auto-summary
R0(config-router)#network 11.0.0.0
R0(config-router)#network 11.0.4.0

R11(config)#router rip
R11(config-router)#version 2
R11(config-router)#no auto-summary
R11(config-router)#network 11.0.0.0
R11(config-router)#network 11.0.1.0

R12(config)#router rip
R12(config-router)#version 2
R12(config-router)#no auto-summary
R12(config-router)#network 11.0.1.0
R12(config-router)#network 11.0.2.0

R13(config)#router rip
R13(config-router)#version 2
R13(config-router)#no auto-summary
R13(config-router)#network 11.0.2.0
R13(config-router)#network 11.0.3.0

R14(config)#router rip
R14(config-router)#version 2
R14(config-router)#no auto-summary
R14(config-router)#network 11.0.3.0
R14(config-router)#network 11.0.4.0
```

2. OSPF configuration

```
R0(config)#router ospf 1
R0(config-router)#network 21.0.0.0 0.0.0.255 area 0
R0(config-router)#network 21.0.4.0 0.0.0.255 area 0

R21(config)#router ospf 1
R21(config-router)#network 21.0.0.0 0.0.0.255 area 0
R21(config-router)#network 21.0.1.0 0.0.0.255 area 0

R22(config)#router ospf 1
R22(config-router)#network 21.0.1.0 0.0.0.255 area 0
R22(config-router)#network 21.0.2.0 0.0.0.255 area 0

R23(config)#router ospf 1
R23(config-router)#network 21.0.2.0 0.0.0.255 area 0
R23(config-router)#network 21.0.3.0 0.0.0.255 area 0

R24(config)#router ospf 1
R24(config-router)#network 21.0.3.0 0.0.0.255 area 0
R24(config-router)#network 21.0.4.0 0.0.0.255 area 0
```

3. Redistribution – translate RIP routes to OSPF

```
R0(config)#router ospf 1
R0(config-router)#redistribute rip subnets
```
"subnets" is to make sure that the classless RIP subnets get redistributed as well

3. Redistribution – translate OSPF routes to RIP

```
R0(config)#router rip
R0(config-router)#redistribute ospf 1 metric 1
```
"metric 1" means "1 hop to OSPF networks", since RIP uses the number of hops to compare routes