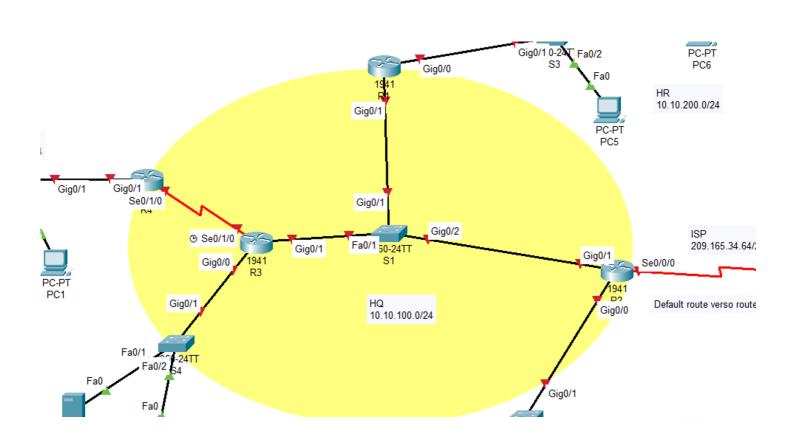


```
R1(config) # interface g0/1
R1(config-if) # ip address 10.10.100.1 255.255.255.0
R1(config-if) # no shutdown
R1(config-if)# exit
R1(config) # interface g0/0
R1(config-if) # ip address 10.10.200.1 255.255.255.0
R1(config-if) # no shutdown
R1(config-if)# exit
R1(config) # router ospf 1
R1(config-router) # router-id 1.1.1.1
R1(config-router) # auto-cost reference-bandwidth 1000
R1(config-router) # passive-interface g0/0
R1(config-router) # network 10.10.100.0 0.0.0.255 area 0
R1(config-router) # network 10.10.200.0 0.0.0.255 area 0
R1(config-router)# ip ospf dead-interval 80
R1(config-router) # ip ospf hello-interval 20
R1(config-router) # exit
R1(config) # interface g0/1
R3(config-if)# ip ospf priority 10
R1(config-if)# exit
R1(config)#
```



```
R2(config) # interface g0/0
R2(config-if) # no shutdown
R2(config-if)# exit
R2(config) # interface g0/0.10
R2(config-if)# encapsulation dot1Q 10
R2(config-if) # ip address 10.10.110.1 255.255.255.0
R2(config-if)# exit
R2(config) # interface g0/0.20
R2(config-if)# encapsulation dot1Q 20
R2(config-if) # ip address 10.10.120.1 255.255.255.0
R2(config-if)# exit
R2(config) # interface g0/0.30
R2(config-if) # encapsulation dot1Q 30
R2(config-if) # ip address 10.10.130.1 255.255.255.0
R2(config-if)# exit
R2(config) # interface g0/1
R2(config-if) # ip address 10.10.100.1 255.255.255.0
R2(config-if) # no shutdown
R2(config-if)# exit
R2(config) # router ospf 1
R2(config-router) # router-id 2.2.2.2
R2(config-router) # auto-cost reference-bandwidth
// Lo configuro come DR sul link con R1
R2(config)# ip ospf priority 5
R2(config-router) # ip ospf hello-interval 20
R2(config-router) # ip ospf dead-interval 80
R2(config-router) # network 10.10.100.0 0.0.0.255 area 0
R2(config-router) # network 10.10.110.0 0.0.0.255 area 0
R2(config-router) # network 10.10.120.0 0.0.0.255 area 0
R2(config-router) # network 10.10.130.0 0.0.0.255 area 0
R2(config-router) # passive-interface g0/0.10
R2(config-router) # passive-interface g0/0.20
R2(config-router) # passive-interface g0/0.30
R2(config-router) # exit
R2(config) # interface s0/0/0
R2(config-if) # no shutdown
R2(config-if) # ip address 209.165.34.65 255.255.255.240
R2(config-if)# exit
// Default Route
R2(config) # ip route 0.0.0.0 0.0.0.0 209.165.34.66
R2(config) # router ospf 1
R2(config-router) # defaul-information originate
R2(config-router)# exit
R2(config)# interface s0/1/0
R2(config-if) # no shutdown
R2(config-if) # ip address 10.10.56.1 255.255.255.252
R2(config-if)# exit
R2(config)# ip ospf 10
R2(config-router) # ip ospf 1 area 0
R2(config-router) # exit
R2(config)#
```

```
R3(config) # interface g0/0
R3(config-if) # ip address 10.10.10.1 255.255.255.224
R3(config-if) # no shutdown
R3(config-if)# exit
R3(config)# interface g0/1
R3(config-if) # ip address 10.10.100.3 255.255.255.0
R3(config-if) # no shutdown
R3(config-if)# exit
R3(config) # interface s0/1/0
R3(config-if) # ip address 10.10.34.1 255.255.255.252
R3(config-if) # no shutdown
R3(config-if)# exit
R3(config) # router ospf 1
R3(config-router) # router-id 3.3.3.3
R3(config-router) # auto-cost reference-bandwidth
R3(config-router) # network 10.10.100.0 0.0.0.255 area 0
R3(config-router) # network 10.10.34.0 0.0.0.3 area 0
R3(config-router) # exit
R3(config) # interface g0/1
R3(config-if) # ip ospf hello-interval 20
R3(config-if) # ip ospf dead-interval 80
R3(config-if)# exit
R3(config) # interface s0/0/0
R3(config-if) # no shutdown
R3(config-if) # ip address 10.10.36.1 255.255.255.252
R3(config-if) # ip ospf 1 area 0
R3(config-if)# exit
// Modifico manualmente il costo dei link
R3(config) # interface g0/1
R3(config-if) # ip ospf cost 100
R3(config-if)# exit
R3(config) # interface s0/0/0
R3(config-if) # ip ospf cost 1
R3(config-if)# exit
R3(config)#
```

```
R4(config)# interface g0/1
R4(config-if)# ip address 172.16.50.1 255.255.255.0
R4(config-if)# exit
R4(config)# interface s0/1/0
R4(config-if)# ip address 10.10.34.2 255.255.255.0
R4(config-if)# exit
R4(config-if)# exit
```

```
ISP(config) # interface s0/1/0
ISP(config-if) # no shut
ISP(config-if) # ip address 209.165.34.66 255.255.255.240
ISP(config-if) # exit
ISP(config) # ip route 0.0.0.0 0.0.0.0 209.165.34.65
ISP(config) #
```

```
R6(config) # interface s0/1/0
R6(config-if) # 10.10.36.2 255.255.255.252
R6(config-if) # ip ospf 1 area 0
R6(config-if) # no shutdown
R6(config-if) # exit
R6(config) # router ospf 1
R6(config-router) # router-id 6.6.6.6
R6(config-router) # exit
R6(config) # interface s0/1/1
R6(config-if) # ip address 10.10.10.56.2 255.255.252
R6(config-if) # exit
R6(config) #
```