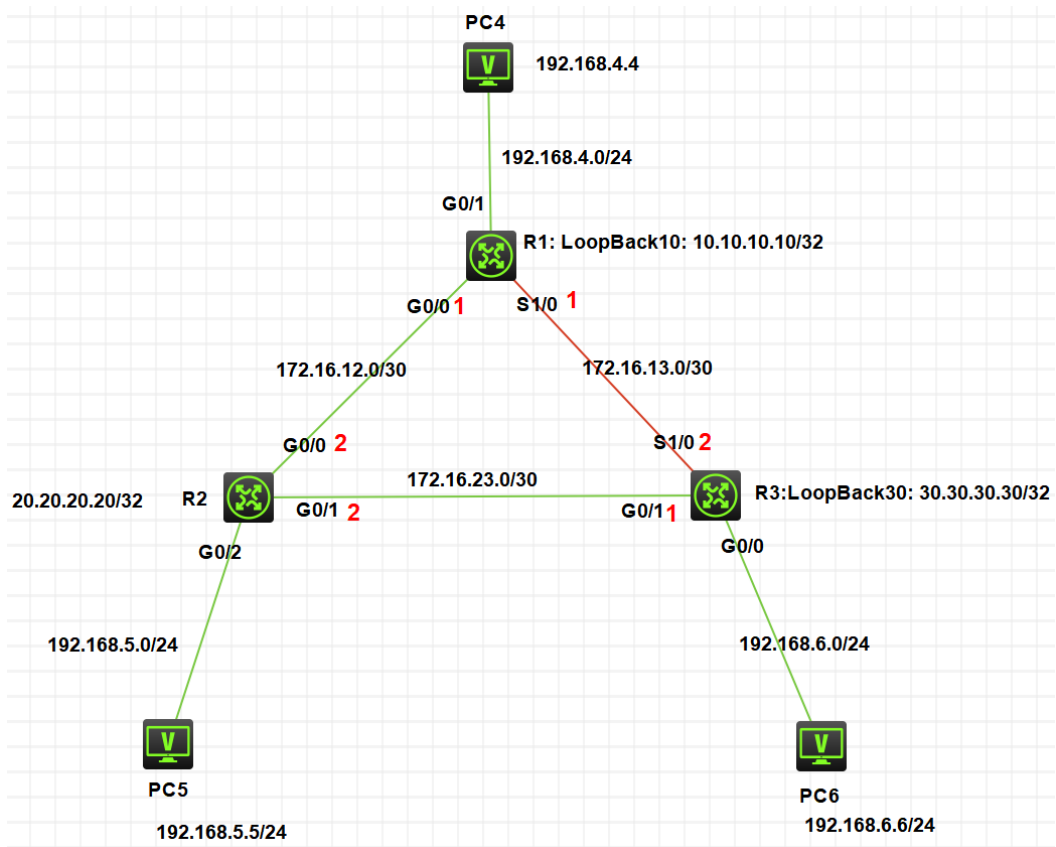


## H2 拓扑图



## H2 R1配置

```
[R1]int g0/1
[R1-GigabitEthernet0/1]ip add 192.168.4.1 24
[R1-GigabitEthernet0/1]undo shutdown
[R1-GigabitEthernet0/1]quit
[R1]int g0/0
[R1-GigabitEthernet0/0]ip add 172.16.12.1 30
[R1-GigabitEthernet0/0]undo shutdown
[R1-GigabitEthernet0/0]quit
[R1]int s1/0
[R1-Serial1/0]ip add 172.16.13.1 30
[R1-Serial1/0]undo shutdown
[R1-Serial1/0]quit
[R1]int lo
[R1]int LoopBack 10
[R1-LoopBack1]ip add 10.10.10.10 32
[R1-LoopBack1]quit
```

```
[R1]ospf 1
[R1-ospf-1]area 0
[R1-ospf-1-area-0.0.0.0]network 192.168.4.0 0.0.0.255
[R1-ospf-1-area-0.0.0.0]network 172.16.12.0 0.0.0.3
[R1-ospf-1-area-0.0.0.0]network 172.16.13.0 0.0.0.3
[R1-ospf-1-area-0.0.0.0]network 10.10.10.10 0.0.0.0
[R1-ospf-1-area-0.0.0.0]quit
[R1-ospf-1]quit
```

## H2 R2配置

```
[R2]int g0/0
[R2-GigabitEthernet0/0]ip add 172.16.12.2 30
[R2-GigabitEthernet0/0]undo shutdown
[R2-GigabitEthernet0/0]quit
[R2]int g0/1
[R2-GigabitEthernet0/1]ip add 172.16.23.2 30
[R2-GigabitEthernet0/1]undo shutdown
[R2-GigabitEthernet0/1]quit
[R2]int g0/2
[R2-GigabitEthernet0/2]ip add 192.168.5.1 24
[R2-GigabitEthernet0/2]undo shutdown
[R2-GigabitEthernet0/2]quit
[R2]int LoopBack 20
[R2-LoopBack1]ip add 20.20.20.20 32
[R2-LoopBack1]quit

[R2]ospf 2
[R2-ospf-2]area 0
[R2-ospf-2-area-0.0.0.0]network 172.16.12.0 0.0.0.3
[R2-ospf-2-area-0.0.0.0]network 172.16.23.0 0.0.0.3
[R2-ospf-2-area-0.0.0.0]network 192.168.5.0 0.0.0.255
[R2-ospf-2-area-0.0.0.0]network 20.20.20.20 0.0.0.0
[R2-ospf-2-area-0.0.0.0]quit
```

## H2 R3配置

```
[R3]int s1/0
[R3-Serial1/0]ip add 172.16.13.2 30
[R3-Serial1/0]undo shutdown
[R3-Serial1/0]quit
[R3]int g0/1
[R3-GigabitEthernet0/1]ip add 172.16.23.1 30
[R3-GigabitEthernet0/1]undo shutdown
[R3-GigabitEthernet0/1]quit
[R3]int g0/0
[R3-GigabitEthernet0/0]ip add 192.168.6.1 24
[R3-GigabitEthernet0/0]undo shutdown
[R3-GigabitEthernet0/0]quit
[R3]int lo
[R3]int LoopBack 30
[R3-LoopBack30]ip add 30.30.30.30 32
[R3-LoopBack30]quit

[R3]ospf 3
[R3-ospf-3]area 0
[R3-ospf-3-area-0.0.0.0]network 172.16.23.0 0.0.0.3
[R3-ospf-3-area-0.0.0.0]network 192.168.6.0 0.0.0.255
[R3-ospf-3-area-0.0.0.0]network 172.16.13.0 0.0.0.3
[R3-ospf-3-area-0.0.0.0]quit
```

## H2 PC5 ping PC4 PC6

```
<H3C>sys
System View: return to User View with Ctrl+Z.
[H3C]ping 192.168.4.4
Ping 192.168.4.4 (192.168.4.4): 56 data bytes, press CTRL_C to break
56 bytes from 192.168.4.4: icmp_seq=0 ttl=253 time=5.000 ms
56 bytes from 192.168.4.4: icmp_seq=1 ttl=253 time=3.000 ms
56 bytes from 192.168.4.4: icmp_seq=2 ttl=253 time=2.000 ms
56 bytes from 192.168.4.4: icmp_seq=3 ttl=253 time=2.000 ms
56 bytes from 192.168.4.4: icmp_seq=4 ttl=253 time=3.000 ms

--- Ping statistics for 192.168.4.4 ---
5 packet(s) transmitted, 5 packet(s) received, 0.0% packet loss
round-trip min/avg/max/std-dev = 2.000/3.000/5.000/1.095 ms
[H3C]%Jun  2 19:17:17:826 2020 H3C PING/6/PING_STATISTICS: Ping statist
ics for 192.168.4.4: 5 packet(s) transmitted, 5 packet(s) received, 0.0
% packet loss, round-trip min/avg/max/std-dev = 2.000/3.000/5.000/1.095
ms.

[H3C]ping 192.168.6.6
Ping 192.168.6.6 (192.168.6.6): 56 data bytes, press CTRL_C to break
56 bytes from 192.168.6.6: icmp_seq=0 ttl=253 time=2.000 ms
56 bytes from 192.168.6.6: icmp_seq=1 ttl=253 time=3.000 ms
56 bytes from 192.168.6.6: icmp_seq=2 ttl=253 time=3.000 ms
56 bytes from 192.168.6.6: icmp_seq=3 ttl=253 time=2.000 ms
56 bytes from 192.168.6.6: icmp_seq=4 ttl=253 time=1.000 ms

--- Ping statistics for 192.168.6.6 ---
5 packet(s) transmitted, 5 packet(s) received, 0.0% packet loss
round-trip min/avg/max/std-dev = 1.000/2.200/3.000/0.748 ms
[H3C]%Jun  2 19:17:25:044 2020 H3C PING/6/PING_STATISTICS: Ping statist
ics for 192.168.6.6: 5 packet(s) transmitted, 5 packet(s) received, 0.0
% packet loss, round-trip min/avg/max/std-dev = 1.000/2.200/3.000/0.748
ms.
```