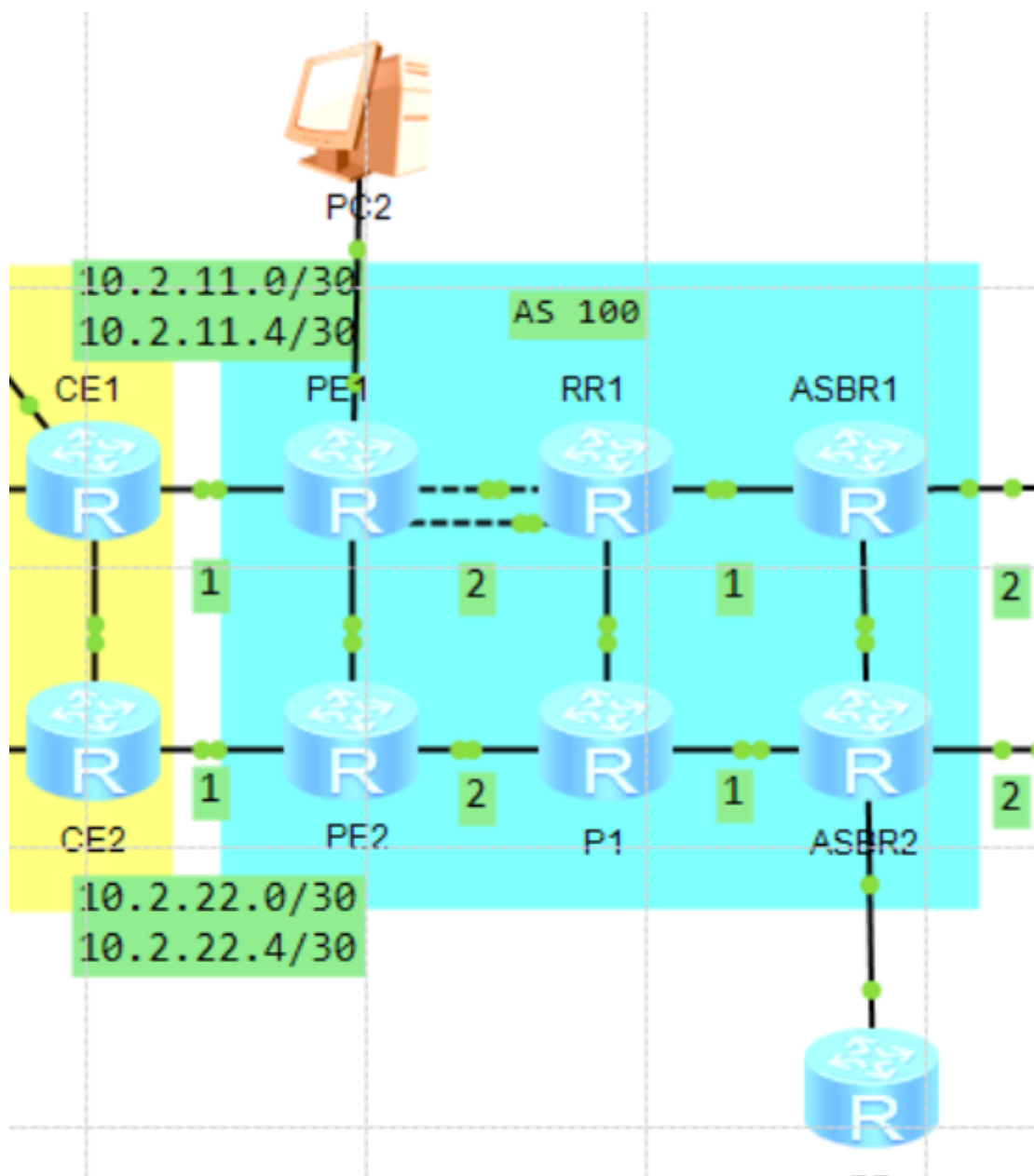## PIM IPV6 现象

拓扑

我是这么做的

ASBR2 配置

```
1    interface GigabitEthernet0/0/3
2      ipv6 enable
3      ipv6 address 2000:EAD8:99EF:C03E:B2AD:9EFF:32DD:DCC0/127
4      isis ipv6 enable 1
5      pim ipv6 sm
```

PIM-test 配置

1. 配置接口地址

```
1   interface GigabitEthernet0/0/3
2     ipv6 enable
3     ipv6 address 2000:EAD8:99EF:C03E:B2AD:9EFF:32DD:DCC1/127
4     isis ipv6 enable 1
5     pim ipv6 sm
6
7   interface LoopBack0
8     ipv6 enable
9     ipv6 address 2001::DCC0/128
10    isis ipv6 enable 1
11      pim ipv6 sm
```

2. 配置 isis

```
1   isis 1
2     cost-style wide
3     network-entity 49.0002.0000.0000.0013.00
4     ipv6 enable topology ipv6
```

3. 检查 邻居

A、isis

```
1   [PIM-test]disp isis peer
2
3                      Peer information for ISIS(1)
4
5     System Id    Interface           Circuit Id       State HoldTime Type     PRI
6   ----------------------------------------------------------------------------
7   0000.0000.0006* GE0/0/3            0000.0000.0006.03 Up   8s       L2       64
8
9   Total Peer(s): 1
```

B、pim ipv6

```
1   [PIM-test]disp pim ipv6 neighbor
2    VPN-Instance: public net
3    Total Number of Neighbors = 1
4
5   Neighbor         Interface          Uptime   Expires  Dr-Priority  BFD-Session
6   FE80::5689:98FF:FE6D:3EB1
7                    GE0/0/3            00:25:04 00:01:42 1            N
```

4. ping 组播源

```
1    [PIM-test]ping ipv6 FF1E::AA -i LoopBack 0
2      PING FF1E::AA : 56  data bytes, press CTRL_C to break
3        Request time out
4        Request time out
5        Request time out
6        Request time out
7        Request time out
8
9      --- FF1E::AA ping statistics ---
10       5 packet(s) transmitted
11       0 packet(s) received
12       100.00% packet loss
13       round-trip min/avg/max = 0/0/0 ms
```
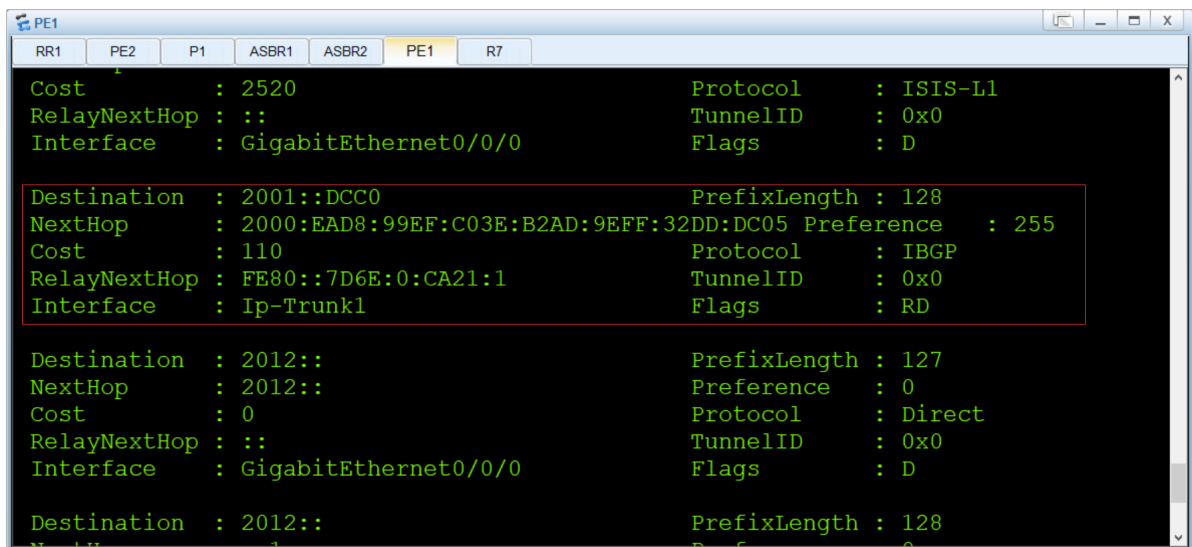
```
14
15   [PIM-test]ping ipv6 FF1E::AA -i GigabitEthernet 0/0/3
16     PING FF1E::AA : 56  data bytes, press CTRL_C to break
17       Request time out
18       Request time out
19       Request time out
20       Request time out
21       Request time out
22
23     --- FF1E::AA ping statistics ---
24       5 packet(s) transmitted
25       0 packet(s) received
26       100.00% packet loss
27       round-trip min/avg/max = 0/0/0 ms
```

5. PE1 路由 --- 发现有 PIM-test 的 loop0 接口地址

6. PIM-test 设备的 bsr-info，rp-info

```
1    [PIM-test]disp pim ipv6 bsr-info
2     VPN-Instance: public net
3     Elected AdminScoped BSR Count: 0
4     Elected BSR Address: 2000:EAD8:99EF:C03E:B2AD:9EFF:32DD:DC05
5         Priority: 255
6         Hash mask length: 126
7         State: Accept Preferred
8         Scope: Not scoped
9         Uptime: 00:34:24
10        Expires: 00:01:46
11        C-RP Count: 2
12   [PIM-test]disp pim ipv6 rp-info
13     VPN-Instance: public net
14     PIM-SM BSR RP Number:2
15     Group/MaskLen: FF1E::/112
16        RP: 2000:EAD8:99EF:C03E:B2AD:9EFF:32DD:DC05
17        Priority: 0
18        Uptime: 00:34:32
19        Expires: 00:01:58
20     Group/MaskLen: FF1E::/112
21        RP: 2000:EAD8:99EF:C03E:B2AD:9EFF:32DD:DC06
22        Priority: 192
```

```
23        Uptime: 00:34:32
24        Expires: 00:01:58
```

求怎样能 ping 通