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SW7:

```
spanning-tree mode rapid-pvst
interface range fa0/5, fa0/6
spanning-tree bpduguard enable
spanning-tree portfast
exit
```

SW6:

```
spanning-tree mode rapid-pvst
interface range fa0/5, fa0/6
spanning-tree bpduguard enable
spanning-tree portfast
exit
```

SW4:

```
spanning-tree mode rapid-pvst
spanning-tree vlan 10 root primary
spanning-tree vlan 20 root primary
spanning-tree vlan 99 root primary
spanning-tree vlan 30 root secondary
spanning-tree vlan 40 root secondary
```

SW5:

```
spanning-tree mode rapid-pvst
spanning-tree vlan 30 root primary
spanning-tree vlan 40 root primary
spanning-tree vlan 99 root secondary
spanning-tree vlan 10 root secondary
spanning-tree vlan 20 root secondary
```

R4:

```
interface gi0/1.10
ip address 192.54.10.2 255.255.255.0
exit
```

```
interface gi0/1.20
ip address 192.54.20.2 255.255.255.0
exit
```

```
interface gi0/1.30
ip address 192.54.30.2 255.255.255.0
exit
```

```
interface gi0/1.40
ip address 192.54.40.2 255.255.255.0
exit
```

```
interface gi0/1.99
ip address 192.54.99.2 255.255.255.0
exit
```

```
interface g0/1.10
standby 10 ip 192.54.10.1
standby 10 priority 105
standby 10 preempt
standby version 2
standby 10 track gi0/0
exit
```

```
interface g0/1.20
standby 20 ip 192.54.20.1
```

```
standby 20 priority 105
standby 20 preempt
standby version 2
standby 20 track gi0/0
exit
```

```
interface g0/1.99
standby 99 ip 192.54.99.1
standby 99 priority 105
standby 99 preempt
standby version 2
standby 99 track gi0/0
exit
```

```
interface g0/1.30
standby 30 ip 192.54.30.1
standby 30 preempt
standby version 2
standby 30 track gi0/0
exit
```

```
interface g0/1.40
standby 40 ip 192.54.40.1
standby 40 preempt
standby version 2
standby 40 track gi0/0
exit
```

R5:

```
interface gi0/1.10
ip address 192.54.10.3 255.255.255.0
```

exit

interface gi0/1.20

ip address 192.54.20.3 255.255.255.0

exit

interface gi0/1.30

ip address 192.54.30.3 255.255.255.0

exit

interface gi0/1.40

ip address 192.54.40.3 255.255.255.0

exit

interface gi0/1.99

ip address 192.54.99.3 255.255.255.0

exit

interface g0/1.10

standby 10 ip 192.54.10.1

standby 10 preempt

standby version 2

standby 10 track gi0/0

exit

interface g0/1.20

standby 20 ip 192.54.20.1

standby 20 preempt

standby version 2

standby 20 track gi0/0

exit

```
interface g0/1.99
standby 99 ip 192.54.99.1
standby 99 preempt
standby version 2
standby 99 track gi0/0
exit
```

```
interface g0/1.30
standby 30 ip 192.54.30.1
standby 30 priority 105
standby 30 preempt
standby version 2
standby 30 track gi0/0
exit
```

```
interface g0/1.40
standby 40 ip 192.54.40.1
standby 40 priority 105
standby 40 preempt
standby version 2
standby 40 track gi0/0
exit
```