

##R02##

```

conf t
!
ipv6 unicast-routing
!
router ospfv3 1
  router-id 2.2.2.2
!
interface Loopback0
  ospfv3 1 ipv6 area 0
!
interface Ethernet0/0
  ospfv3 1 ipv6 area 0
!
interface Serial1/0
  ospfv3 1 ipv6 area 0
!
end

```

##R03##

```

conf t
!
ipv6 unicast-routing
!
router eigrp CISCO
  address-family ipv6 unicast autonomous-system 100
  eigrp router-id 3.3.3.3
  af-interface default
    passive-interface
  af-interface Loopback0
    no passive-interface
  af-interface Ethernet0/0
    no passive-interface
  af-interface Ethernet0/1
    no passive-interface
  exit-af-interface
!
end

```

##R07##

```

conf t
!
ipv6 unicast-routing
!
router ospfv3 2
  router-id 7.7.7.7
!
interface Loopback0
  ospfv3 2 ipv6 area 0
!
interface Ethernet0/0
  ospfv3 2 ipv6 area 0
!
interface Serial1/0
  ospfv3 2 ipv6 area 0
!
end

```

##R04##

```

conf t
!
ipv6 unicast-routing
!
router eigrp CISCO
  address-family ipv6 unicast autonomous-system 100
  eigrp router-id 4.4.4.4
  af-interface default
    passive-interface
  af-interface Ethernet0/0
    no passive-interface
  af-interface Loopback0
    no passive-interface
  af-interface Loopback43
    no passive-interface
  af-interface Loopback44
    no passive-interface
  af-interface Loopback45
    no passive-interface
  exit-af-interface
!
router ospfv3 1
  router-id 4.4.4.4
!
  address-family ipv6 unicast
    redistribute eigrp 100 metric 50 metric-type 1
  include-connected
!
interface Loopback0
  ospfv3 2 ipv6 area 0
!
interface Serial1/0
  ospfv3 1 ipv6 area 0
!
end

```

##R06##

```

conf t
!
ipv6 unicast-routing
!
router ospfv3 2
  router-id 6.6.6.6
!
interface Loopback0
  ospfv3 2 ipv6 area 0
!
interface Ethernet0/0
  ospfv3 2 ipv6 area 0
!
interface Ethernet0/1
  ospfv3 2 ipv6 area 0
!
end

```

##R01##

```
conf t
!
ipv6 unicast-routing
!
router eigrp CISCO
address-family ipv6 unicast autonomous-system 100
eigrp router-id 1.1.1.1
af-interface default
  passive-interface
af-interface Loopback0
  no passive-interface
af-interface Ethernet0/3
  no passive-interface
exit-af-interface
topology base
  redistribute rip CISCO metric 10000 10 1 255 1500 include-connected
!
router ospfv3 1
  router-id 1.1.1.1
!
ipv6 router rip CISCO
  redistribute ospf 1 metric 3 match internal external 1 external 2 include-connected
  redistribute eigrp 100 metric 3 include-connected
!
interface Loopback0
  ospfv3 2 ipv6 area 0
  ipv6 rip CISCO enable
!
interface Ethernet0/0
  ipv6 rip CISCO enable
!
interface Ethernet0/1
  ipv6 rip CISCO enable
!
interface Ethernet0/2
  ospfv3 1 ipv6 area 0
!
end
```

##R08##

```
conf t
!
ipv6 unicast-routing
!
route-map CONNECTED deny 10
  match interface Ethernet0/0 Serial1/0
!
route-map CONNECTED permit 20
!
router ospfv3 2
  router-id 8.8.8.8
!
  address-family ipv6 unicast
    redistribute connected metric-type 1 route-map CONNECTED
!
interface Loopback0
  ospfv3 2 ipv6 area 0
!
interface Ethernet0/0
  ospfv3 2 ipv6 area 0
!
interface Serial1/0
  ospfv3 2 ipv6 area 0
!
end
```

##R05##

```
conf t
!
ipv6 unicast-routing
!
router ospfv3 2
  router-id 5.5.5.5
!
  address-family ipv6 unicast
    redistribute rip CISCO metric 40 metric-type 1 include-connected
!
ipv6 router rip CISCO
  redistribute ospf 2 metric 3 match internal external 1 external 2 include-connected
!
interface Loopback0
  ospfv3 2 ipv6 area 0
  ipv6 rip CISCO enable
!
interface Ethernet0/0
  ipv6 rip CISCO enable
!
interface Ethernet0/1
  ipv6 rip CISCO enable
!
interface Ethernet0/2
  ospfv3 2 ipv6 area 0
!
interface Ethernet0/3
  ospfv3 2 ipv6 area 0
!
end
```