

```
R1:
conf t
int e0/0
Desc conn to LAN
ip add 10.1.1.1 255.255.255.0
no sh
int e0/1
Desc conn to R3
ip add 192.168.13.1 255.255.255.0
no sh
int s2/0
Desc conn to R2
ip add 192.168.12.1 255.255.255.0
no sh
exit
```

```
Router eigrp 1
net 10.1.1.1 0.0.0.0
net 192.168.0.0 0.0.255.255
passive-interface e0/0
exit
```

```
R2:
conf t
int e0/0
Desc conn to LAN
ip add 10.2.2.2 255.255.255.0
no sh
int e0/1
Desc conn to R3
ip add 192.168.23.2 255.255.255.0
no sh
int s2/0
Desc conn to R1
ip add 192.168.12.2 255.255.255.0
no sh
exit
```

```
Router eigrp 1
net 10.2.2.2 0.0.0.0
net 192.168.0.0 0.0.255.255
passive-interface e0/0
exit
```

```
R3:
conf t
int e0/0
Desc conn to R1
ip add 192.168.13.3 255.255.255.0
no sh
int e0/1
```

```
Desc conn to R3
ip add 192.168.23.3 255.255.255.0
no sh
int e0/2
Desc conn to R4
ip add 192.168.34.3 255.255.255.0
no sh
exit
```

```
R4
conf t
int e0/0
Desc conn to R4
ip add 192.168.34.4 255.255.255.0
no sh
int lo 0
ip add 10.4.4.4 255.255.255.0
exit
```

```
router eigrp R3
!
address-family ipv4 unicast autonomous-system 1
!
af-interface Ethernet0/2
summary-address 3.3.0.0 255.255.0.0
authentication mode hmac-sha-256 Cisco124#
exit-af-interface
!
af-interface Ethernet0/0
summary-address 3.3.0.0 255.255.0.0
authentication mode md5
authentication key-chain abc
exit-af-interface
!
af-interface Ethernet0/1
summary-address 3.3.0.0 255.255.0.0
exit-af-interface
!
topology base
exit-af-topology
network 3.0.0.0
network 192.168.0.0 0.0.255.255
eigrp stub connected summary
exit-address-family
```

```
router eigrp R4
```

```
!  
address-family ipv4 unicast autonomous-system 1  
!  
af-interface Ethernet0/0  
  summary-address 10.4.0.0 255.255.0.0  
  authentication mode hmac-sha-256 Cisco124#  
  hello-interval 3  
  hold-time 9  
exit-af-interface  
!  
af-interface Ethernet0/1  
  passive-interface  
exit-af-interface  
!  
topology base  
  distribute-list 1 in Ethernet0/0  
  redistribute rip metric 1 1 1 1 1  
  redistribute ospf 1 metric 100000 1000 255 1 1500  
exit-af-topology  
network 10.4.4.4 0.0.0.0  
network 192.168.34.0  
exit-address-family
```