MUTUAL REDISTRIBUTION

```
R3#

ROUTER EIGRP NET-ENG
ADDRESS-FAMILY IPV4 UNICAST AUTONOMOUS-SYSTEM 1
TOPOLOGY BASE
REDISTRIBUTE OSPF 1 METRIC 1000000 10 255 1 1500


ROUTER OSPF 1
REDISTRIBUTE EIGRP 1 SUBNETS
```
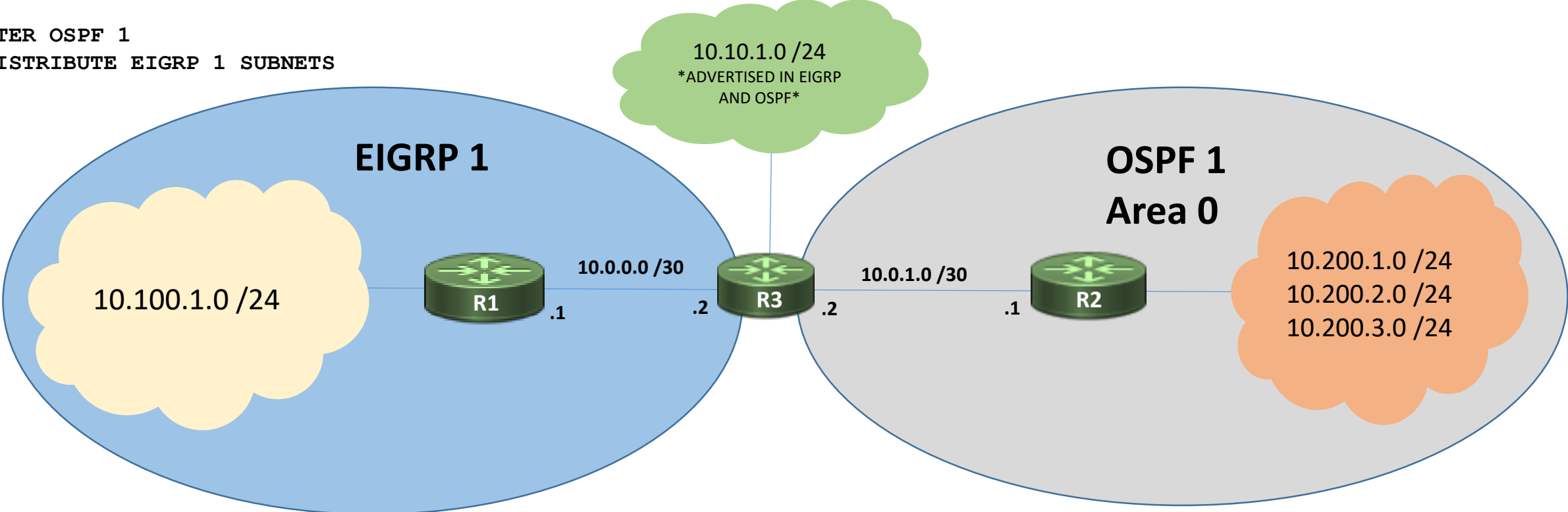

10.10.1.0 /24
ADVERTISED IN EIGRP AND OSPF

EIGRP 1

OSPF 1
Area 0

10.100.1.0 /24

10.200.1.0 /24
10.200.2.0 /24
10.200.3.0 /24

10.0.0.0 /30

10.0.1.0 /30

R1   .1   .2 R3 .2   .1 R2

```
R1# SHOW IP ROUTE
C         10.0.0.0/30 [CONNECTED]
C         10.100.1.0/24 [CONNECTED]
D         10.10.1.0/24 [90/25618] VIA 10.0.0.2 G0/0/0
D EX      10.200.1.0/24 [170/12679] VIA 10.0.0.2 G0/0/0
D EX      10.200.2.0/24 [170/12629] VIA 10.0.0.2 G0/0/0
D EX      10.200.3.0/24 [170/12679] VIA 10.0.0.2 G0/0/0
```

```
R2# SHOW IP ROUTE
C         10.0.1.0/30 [CONNECTED]
C         10.200.1.0/24 [CONNECTED]
C         10.200.2.0/24 [CONNECTED]
C         10.200.3.0/24 [CONNECTED]
O         10.10.1.0/24 [110/25] VIA 10.0.0.2 G0/0/0
O E2      10.100.1.0/24 [110/20] VIA 10.0.0.2 G0/0/0
```