R1#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#router rip

R1(config-router)#version 2

R1(config-router)#no auto-summary

R1(config-router)#network 192.168.1.0

R1(config-router)#network 192.168.2.0

R1(config-router)#passive-interface g0/0

R1(config-router)#default-information originate

R1(config-router)#exit

R1(config)#copy run start

^

% Invalid input detected at '^' marker.

R1(config)#

R2>en

R2#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R2(config)#router rip

R2(config-router)#version 2

R2(config-router)#no auto-summary

R2(config-router)#network 192.168.2.0

R2(config-router)#network 192.168.3.0

R2(config-router)#network 192.168.4.0

R2(config-router)#passive-int g0/0

R2(config-router)#exit

R2(config)#exit

R2#

%SYS-5-CONFIG\_I: Configured from console by console

R2#

R3>en

R3#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R3(config)#router rip

R3(config-router)#version 2

R3(config-router)#no auto-summary

R3(config-router)#network 192.168.4.0

R3(config-router)#network 192.168.5.0

R3(config-router)#passive-int g0/0

R3(config-router)#exit

R3(config)#exit

R3#

%SYS-5-CONFIG\_I: Configured from console by console

R1#sh ip route

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

\* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is 0.0.0.0 to network 0.0.0.0

192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.1.0/24 is directly connected, GigabitEthernet0/0

L 192.168.1.1/32 is directly connected, GigabitEthernet0/0

192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.2.0/24 is directly connected, Serial0/0/0

L 192.168.2.1/32 is directly connected, Serial0/0/0

R 192.168.3.0/24 [120/1] via 192.168.2.2, 00:00:04, Serial0/0/0

R 192.168.4.0/24 [120/1] via 192.168.2.2, 00:00:04, Serial0/0/0

R 192.168.5.0/24 [120/2] via 192.168.2.2, 00:00:04, Serial0/0/0

209.165.200.0/24 is variably subnetted, 2 subnets, 2 masks

C 209.165.200.224/30 is directly connected, Serial0/0/1

L 209.165.200.225/32 is directly connected, Serial0/0/1

--More--

R2#sh ip route

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

\* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is 192.168.2.1 to network 0.0.0.0

R 192.168.1.0/24 [120/1] via 192.168.2.1, 00:00:22, Serial0/0/0

192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.2.0/24 is directly connected, Serial0/0/0

L 192.168.2.2/32 is directly connected, Serial0/0/0

192.168.3.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.3.0/24 is directly connected, GigabitEthernet0/0

L 192.168.3.1/32 is directly connected, GigabitEthernet0/0

192.168.4.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.4.0/24 is directly connected, Serial0/0/1

L 192.168.4.2/32 is directly connected, Serial0/0/1

R 192.168.5.0/24 [120/1] via 192.168.4.1, 00:00:09, Serial0/0/1

R\* 0.0.0.0/0 [120/1] via 192.168.2.1, 00:00:22, Serial0/0/0

--More--

R3#sh ip route

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP

i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area

\* - candidate default, U - per-user static route, o - ODR

P - periodic downloaded static route

Gateway of last resort is 192.168.4.2 to network 0.0.0.0

R 192.168.1.0/24 [120/2] via 192.168.4.2, 00:00:15, Serial0/0/1

R 192.168.2.0/24 [120/1] via 192.168.4.2, 00:00:15, Serial0/0/1

R 192.168.3.0/24 [120/1] via 192.168.4.2, 00:00:15, Serial0/0/1

192.168.4.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.4.0/24 is directly connected, Serial0/0/1

L 192.168.4.1/32 is directly connected, Serial0/0/1

192.168.5.0/24 is variably subnetted, 2 subnets, 2 masks

C 192.168.5.0/24 is directly connected, GigabitEthernet0/0

L 192.168.5.1/32 is directly connected, GigabitEthernet0/0

R\* 0.0.0.0/0 [120/2] via 192.168.4.2, 00:00:15, Serial0/0/1

Enter PC1:

Ping 64.100.0.10

Enter R3:

Ping 62.100.0.10

Enter pc1:

ping 192.168.5.0