**Router 0:**

Router>en

Router#conf t

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

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.3.1 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se3/0

Router(config-if)#ip add 192.168.4.135 255.255.255.224

Router(config-if)#clock rate 64000

Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Router(config-if)#ex

Router(config)#int se2/0

Router(config-if)#ip add 192.168.3.33 255.255.255.224

Router(config-if)#clock rate 64000

Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#ex

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config)#route ospf 10

Router(config-router)#network 192.168.3.0 0.0.0.31 area 0

Router(config-router)#network 192.168.4.128 0.0.0.31 area 0

Router(config-router)#network 192.168.3.32 0.0.0.31 area 0

Router(config-router)#ex

Router(config)#

**Router 1:**

Router>en

Router#conf t

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

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.3.66 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int fa1/0

Router(config-if)#ip add 192.168.3.98 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se2/0

Router(config-if)#ip add 192.168.3.34 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se3/0

Router(config-if)#ip add 192.168.3.130 255.255.255.224

Router(config-if)#clock rate 64000

Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Router(config-if)#ex

Router(config)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router>en

Router#conf t

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

Router(config)#route ospf 20

Router(config-router)#network 192.168.3.64 0.0.0.31 area 0

Router(config-router)#network 192.168.3.96 0.0.0.31 area 0

Router(config-router)#network 192.168.3.128 0.0.0.31 area 0

Router(config-router)#network 192.168.3.32 0.0.0.31 area 0

Router(config-router)#ex

01:41:54: %OSPF-5-ADJCHG: Process 20, Nbr 192.168.4.135 on Serial2/0 from LOADING to FULL, Loading Done

**Router 2:**

Router>en

Router#conf t

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

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.4.97 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se3/0

Router(config-if)#ip add 192.168.4.130 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se2/0

Router(config-if)#ip add 192.168.4.70 255.255.255.224

Router(config-if)#clock rate 64000

Router(config-if)#no sh

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#ex

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

Router>en

Router#conf t

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

Router(config)#route ospf 30

Router(config-router)#network 192.168.4.128 0.0.0.31 area 0

Router(config-router)#network 192.168.4.96 0.0.0.31 area 0

Router(config-router)#network 192.168.4.64 0.0.0.31 area 0

Router(config-router)#ex

Router(config)#

01:49:20: %OSPF-5-ADJCHG: Process 30, Nbr 192.168.4.135 on Serial3/0 from LOADING to FULL, Loading Done

**Router 3:**

Router>en

Router#conf t

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

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.3.165 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se3/0

Router(config-if)#ip add 192.168.3.130 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#int se2/0

Router(config-if)#ip add 192.168.4.68 255.255.255.224

Router(config-if)#no sh

Router(config-if)#ex

Router(config)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router>en

Router#conf t

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

Router(config)#route ospf 40

Router(config-router)#network 192.168.3.160 0.0.0.31 area 0

Router(config-router)#network 192.168.3.128 0.0.0.31 area 0

Router(config-router)#network 192.168.4.64 0.0.0.31 area 0

Router(config-router)#ex

Router(config)#

01:52:02: %OSPF-5-ADJCHG: Process 40, Nbr 192.168.4.130 on Serial2/0 from LOADING to FULL, Loading Done