192.168.25.0/24

192.168.25.0/25 - 192.168.25.127/25 #Host 100

192.168.25.128/26 - 192.168.25.191/26 #Host 50

192.168.25.192/27 - 192.168.25.223/27 #Host 30

192.168.25.224/29 - 192.168.25.231/29 #Host 8

Router 2

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable

Router#configure terminal

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

Router(config)#interface FastEthernet0/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

Router(config-if)#exit

Router(config)#interface FastEthernet0/0

Router(config-if)#ip address 192.168.25.1 255.255.255.0

Router(config-if)#ip address 192.168.25.1 255.255.255.128

Router(config-if)#no shutdown

Router(config-if)#

%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-if)#exit

Router(config)#interface FastEthernet1/0

Router(config-if)#ip address 192.168.25.129 255.255.255.128

Router(config-if)#ip address 192.168.25.129 255.255.255.192

Router(config-if)#no shutdown

Router(config-if)#

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

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

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#ip address 192.168.25.242 255.255.255.128

% 192.168.25.128 overlaps with FastEthernet1/0

Router(config-if)#ip address 192.168.25.242 255.255.255.252

Router(config-if)#no shutdown

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

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

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

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

Router(config-if)#exit

Router(config)#

Router(config)#ip route 192.168.25.192 255.255.255.224 192.168.25.241

Router(config)#ip route 192.168.25.224 255.255.255.248 192.168.25.241

Router(config)#exit

Router#

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

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router#

Router#

Router#

Router#configure terminal

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

Router(config)#

Router(config)#ip route 192.168.25.236 255.255.255.252 192.168.25.241

Router(config)#ip route 192.168.25.232 255.255.255.252 192.168.25.241

Router(config)#exit

Router#

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

Router#cpoy run start

^

% Invalid input detected at '^' marker.

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router#

Router 4

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable

Router#configure terminal

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

Router(config)#interface FastEthernet0/0

Router(config-if)#ip address 192.168.25.193 255.255.255.0

Router(config-if)#ip address 192.168.25.193 255.255.255.224

Router(config-if)#no shutdown

Router(config-if)#

%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-if)#exit

Router(config)#interface FastEthernet1/0

Router(config-if)#ip address 192.168.25.225 255.255.255.224

Router(config-if)#ip address 192.168.25.225 255.255.255.248

Router(config-if)#no shutdown

Router(config-if)#

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

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

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#ip address 192.168.25.234 255.255.255.224

% 192.168.25.224 overlaps with FastEthernet1/0

Router(config-if)#ip address 192.168.25.234 255.255.255.252

Router(config-if)#no shutdown

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

Router(config-if)#

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

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

Router(config-if)#exit

Router(config)#ip route 192.168.25.0 255.255.255.128 192.168.25.233

Router(config)#ip route 192.168.25.128 255.255.255.192 192.168.25.233

Router(config)#

Router(config)#exit

Router#

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

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router#

Router 0

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable

Router#configure terminal

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

Router(config)#interface Serial2/0

Router(config-if)#ip address 192.168.25.241 255.255.255.0

Router(config-if)#ip address 192.168.25.241 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#

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

Router(config-if)#exit

Router(config)#interface Serial3/0

Router(config-if)#

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

ip address 192.168.25.237 255.255.255.252

Router(config-if)#no shutdown

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

Router(config-if)#

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

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

Router(config-if)#exit

Router(config)#

Router(config)#

Router(config)#ip route 192.168.25.0 255.255.255.128 192.168.25.242

Router(config)#ip route 192.168.25.128 255.255.255.192 192.168.25.242

Router(config)#ip route 192.168.25.232 255.255.255.252 192.168.25.238

Router(config)#ip route 192.168.25.192 255.255.255.224 192.168.25.238

Router(config)#ip route 192.168.25.224 255.255.255.248 192.168.25.238

Router(config)#exit

Router#

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

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#

Router 1

Continue with configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable

Router#configure terminal

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

Router(config)#interface Serial3/0

Router(config-if)#ip address 192.168.25.238 255.255.255.0

Router(config-if)#ip address 192.168.25.238 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#

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

Router(config-if)#exit

Router(config)#interface Serial2/0

Router(config-if)#

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

ip address 192.168.25.233 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#

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

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

Router con0 is now available

Press RETURN to get started.

Router>enable

Router#configure terminal

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

Router(config)#ip route 192.168.25.0 255.255.255.128 192.168.25.237

Router(config)#ip route 192.168.25.128 255.255.255.192 192.168.25.237

Router(config)#ip route 192.168.25.240 255.255.255.252 192.168.25.237

Router(config)#ip route 192.168.25.224 255.255.255.248 192.168.25.234

Router(config)#ip route 192.168.25.192 255.255.255.224 192.168.25.234

Router(config)#exit

Router#

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

Router#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Router#