A:

A>en

A#conf t

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

A(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.2

A(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.6

A(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.14

A(config)#ip route 205.68.25.0 255.255.2

^

% Invalid input detected at '^' marker.

A(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.18

A(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.22

A(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.30

A(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34

A(config)#exit

A#

B:

Router>enable

Router#

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 FastEthernet0/0

Router(config-if)#

Router(config-if)#end

Router#configure terminal

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

Router(config)#hostname B

B(config)#

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

B(config)#interface FastEthernet0/0

B(config-if)#

B(config-if)#exit

B(config)#interface FastEthernet0/0

B(config-if)#ip address 205.68.30.1 255.255.255.0

B(config-if)#ip address 205.68.30.1 255.255.255.128

B(config-if)#no shutdown

B(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

B(config-if)#exit

B(config)#interface Serial0/0/0

B(config-if)#ip address 205.68.31.2 255.255.255.0

B(config-if)#ip address 205.68.31.2 255.255.255.252

B(config-if)#no shutdown

B(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

B(config-if)#exit

B(config)#interface Serial0/0/1

B(config-if)#ip address 205.68.31.5 255.255.255.252

B(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

ip address 205.68.31.5 255.255.255.252

B(config-if)#no shutdown

B(config-if)#

B>en

B#conf t

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

B(config)##ip route 205.68.25.0 255.255.255.0 205.68.31.18

^

% Invalid input detected at '^' marker.

B(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.18

B(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.22

B(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.30

B(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34

B(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.17

%LINK-3-UPDOWN: Interface Serial0/0/0, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to down

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

B(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.1

B(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.6

B(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.21

B(config)#exit

B#

DHCP:

B>en

B#conf t

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

B(config)#int f0/0

B(config-if)#ip helper-address 205.68.30.136

B(config-if)#exit

B(config)#exit

B#

C:

Router>enable

Router#configure terminal

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

Router(config)#hostname C

C(config)#

C(config)#interface FastEthernet0/0

C(config-if)#ip address 205.68.24.1 255.255.255.0

C(config-if)#ip address 205.68.24.1 255.255.255.0

C(config-if)#no shutdown

C(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

C(config-if)#exit

C(config)#interface Serial0/0/0

C(config-if)#ip address 205.68.31.9 255.255.255.0

C(config-if)#ip address 205.68.31.9 255.255.255.252

C(config-if)#no shutdown

C(config-if)#

C(config-if)#exit

C(config)#interface Serial0/0/1

C(config-if)#no ip address

C(config-if)#ip address 205.68.31.6 255.255.255.252

C(config-if)#ip address 205.68.31.6 255.255.255.252

C(config-if)#no shutdown

C(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

C>en

C#conf t

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

C(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.18

C(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.22

C(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.30

C(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34

C(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.1

C(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.5

C(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.21

C(config)#exit

C#

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

Primary route:

C>en

C#conf t

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

C(config)#ip route 205.68.26.0 255.255.255.0 se0/0/1

C(config)#exit

C#

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

C#

Floating route:

C>en

C#conf t

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

C(config)#ip route 205.68.26.0 255.255.255.0 se0/1/0 23

C(config)#exit

C#

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

DHCP:

C>en

C#conf t

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

C(config)#int f0/0

C(config-if)#ip helper-address 205.68.30.136

C(config-if)#exit

C(config)#exit

C#

D:

Router>enable

Router#configure terminal

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

Router(config)#hostname D

D(config)#

D(config)#interface FastEthernet0/0

D(config-if)#ip address 205.68.29.1 255.255.255.0

D(config-if)#ip address 205.68.29.1 255.255.255.0

D(config-if)#no shutdown

D(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

D(config-if)#exit

D(config)#interface Serial0/0/0

D(config-if)#ip address 205.68.31.10 255.255.255.0

D(config-if)#ip address 205.68.31.10 255.255.255.252

D(config-if)#no shutdown

D(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

D(config-if)#exit

D(config)#interface Serial0/0/1

D(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

ip address 205.68.31.14 255.255.255.252

D(config-if)#ip address 205.68.31.14 255.255.255.252

D(config-if)#no shutdown

D(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

D>en

D#conf t

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

D(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.18

D(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.22

D(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.30

D(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34

D(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.13

D(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.5

D(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.9

D(config)#exit

D#

DHCP:

D>en

D#conf t

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

D(config)#int f0/0

D(config-if)#ip helper-address 205.68.30.136

D(config-if)#exit

D(config)#exit

D#

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

E:

Router>enable

Router#

Router#configure terminal

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

Router(config)#interface FastEthernet0/0

Router(config-if)#ip address 205.68.25.1 255.255.255.0

Router(config-if)#ip address 205.68.25.1 255.255.255.0

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 Serial0/0/0

Router(config-if)#ip address 205.68.31.21 255.255.255.0

Router(config-if)#ip address 205.68.31.21 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

Router(config-if)#exit

Router(config)#interface Serial0/0/1

Router(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

ip address 205.68.31.18 255.255.255.252

Router(config-if)#ip address 205.68.31.18 255.255.255.252

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router(config-if)#exit

Router(config)#interface Serial0/0/1

Router(config-if)#

Router(config-if)#exit

Router(config)#interface Serial0/0/1

Router(config-if)#

Router(config-if)#end

Router#configure terminal

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

E>en

E#conf t

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

E(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.22

E(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.17 - A

E(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.26 - G

E(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34 - H

E(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.2 - B

E(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.6 - C

E(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.14 - D

E(config)#exit

E#

F:

F>enable

F#

F#configure terminal

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

F(config)#interface FastEthernet0/0

F(config-if)#ip address 205.68.28.1 255.255.255.0

F(config-if)#ip address 205.68.28.1 255.255.255.0

F(config-if)#no shutdown

F(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

F(config-if)#exit

F(config)#interface Serial0/0/0

F(config-if)#ip address 205.68.31.22 255.255.255.0

F(config-if)#ip address 205.68.31.22 255.255.255.252

F(config-if)#no shutdown

F(config-if)#

F(config-if)#exit

F(config)#interface Serial0/0/1

F(config-if)#ip address 205.68.31.25 255.255.255.252

F(config-if)#ip address 205.68.31.25 255.255.255.252

F(config-if)#no shutdown

F(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

F#

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

F>en

F#conf t

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

F(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.21

F(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.26

F(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.29

F(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34

F(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.2

F(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.6

F(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.14

F(config)#exit

F#

G:

G>enable

G#

G#configure terminal

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

G(config)#interface FastEthernet0/0

G(config-if)#ip address 205.68.26.1 255.255.255.0

G(config-if)#ip address 205.68.26.1 255.255.255.0

G(config-if)#no shutdown

G(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

G(config-if)#exit

G(config)#interface Serial0/0/0

G(config-if)#ip address 205.68.31.33 255.255.255.0

G(config-if)#ip address 205.68.31.33 255.255.255.252

G(config-if)#no shutdown

G(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

G(config-if)#exit

G(config)#interface Serial0/0/1

G(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

ip address 205.68.31.30 255.255.255.252

G(config-if)#ip address 205.68.31.30 255.255.255.252

G(config-if)#no shutdown

G(config-if)#

%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up

G(config-if)#exit

G(config)#interface Serial0/1/0

G(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

ip address 205.68.31.26 255.255.255.252

G(config-if)#ip address 205.68.31.26 255.255.255.252

G(config-if)#no shutdown

G(config-if)#

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up

G>en

G#conf t

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

G(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.17

G(config)#ip route 205.68.27.0 255.255.255.0 205.68.31.34

G(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.2

G(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.6

G(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.14

G(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.21

G(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.25

G(config)#exit

G#

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

H:

H>en

H#conf t

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

H(config)#ip route 205.68.30.128 255.255.255.128 205.68.31.17

H(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.26

H(config)#ip route 205.68.30.0 255.255.255.128 205.68.31.2

H(config)#ip route 205.68.24.0 255.255.255.0 205.68.31.6

H(config)#ip route 205.68.29.0 255.255.255.0 205.68.31.14

H(config)#ip route 205.68.25.0 255.255.255.0 205.68.31.21

H(config)##ip route 205.68.28.0 255.255.255.0 205.68.31.25

^

% Invalid input detected at '^' marker.

H(config)#ip route 205.68.28.0 255.255.255.0 205.68.31.25

H(config)#ip route 205.68.26.0 255.255.255.0 205.68.31.20

H(config)#exit

H#