Ralph Bohner’s House:

Press RETURN to get started!

Router>enable

Router#erase startup-config

Erasing the nvram filesystem will remove all configuration files! Continue? [confirm]y[OK]

Erase of nvram: complete

%SYS-7-NV\_BLOCK\_INIT: Initialized the geometry of nvram

Router#reload

System configuration has been modified. Save? [yes/no]:no

Proceed with reload? [confirm]

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>en

Router#conf t

Router(config)#hostname RalphBohner'sHouse

RalphBohner'sHouse(config)#hostname Ralph\_Bohner's\_House Setting up host name

Ralph\_Bohner's\_House(config)#no ip domain-lookup

Ralph\_Bohner's\_House(config)#enable secret class password set for before enabling router

Ralph\_Bohner's\_House#

Ralph\_Bohner's\_House#exit

Ralph\_Bohner's\_House con0 is now available

Press RETURN to get started.

Ralph\_Bohner's\_House>en

Password:

Ralph\_Bohner's\_House#conf t

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

Ralph\_Bohner's\_House(config)#line console 0 Choosing console port to set password so that no one can enter without authentication using blue wire

Ralph\_Bohner's\_House(config-line)#password cisco

Ralph\_Bohner's\_House(config-line)#login

Ralph\_Bohner's\_House(config-line)#exit

Ralph\_Bohner's\_House(config)#end

Ralph\_Bohner's\_House#

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

Ralph\_Bohner's\_House#exit

Ralph\_Bohner's\_House con0 is now available

Press RETURN to get started.

User Access Verification

Password:

Ralph\_Bohner's\_House>en

Password:

Ralph\_Bohner's\_House#conf t

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

Ralph\_Bohner's\_House(config)#int f5/0 Setting switch to set ip address and port

Ralph\_Bohner's\_House(config-if)#ip address 192.168.1.1 255.255.0.0

Ralph\_Bohner's\_House(config-if)#no shut turning on

Ralph\_Bohner's\_House(config-if)#

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

Ralph\_Bohner's\_House(config-if)#end

Ralph\_Bohner's\_House#conf t

Ralph\_Bohner's\_House(config)#int se9/0 Setting inter router (M&B) to set ip address and port

Ralph\_Bohner's\_House(config-if)#ip address 192.169.2.1 255.255.255.0

Ralph\_Bohner's\_House(config-if)#no shut

%LINK-5-CHANGED: Interface Serial9/0, changed state to down

Ralph\_Bohner's\_House(config)#int se3/0

Ralph\_Bohner's\_House(config-if)#ip address 192.169.4.1 255.255.255.0

Ralph\_Bohner's\_House(config-if)#no shut

Ralph\_Bohner's\_House(config-if)#

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

Ralph\_Bohner's\_House(config-if)#

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

Ralph\_Bohner's\_House(config)#int se2/0

Ralph\_Bohner's\_House(config-if)#ip address 192.169.5.1 255.255.255.0

Ralph\_Bohner's\_House(config-if)#no shut

Ralph\_Bohner's\_House(config-if)#

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

Ralph\_Bohner's\_House(config-if)#

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

Ralph\_Bohner's\_House(config)#int se1/0

Ralph\_Bohner's\_House(config-if)#ip address 192.169.11.1 255.255.255.0

Ralph\_Bohner's\_House(config-if)#no shut

Ralph\_Bohner's\_House(config-if)#

%LINK-5-CHANGED: Interface Serial1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up

Ralph\_Bohner's\_House(config-if)#int se8/0

Ralph\_Bohner's\_House(config-if)#ip address 192.169.114.1 255.255.255.0

% 192.169.114.0 overlaps with Serial1/0

Ralph\_Bohner's\_House(config-if)#ip address 192.169.14.1 255.255.255.0

Ralph\_Bohner's\_House(config-if)#no shut

Ralph\_Bohner's\_House(config-if)#

%LINK-5-CHANGED: Interface Serial8/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial8/0, changed state to up

Ralph\_Bohner's\_House(config-if)#exit

Ralph\_Bohner's\_House#copy run start saving everything

Destination filename [startup-config]?

Building configuration...

[OK]

Ralph\_Bohner's\_House(config)#ip dhcp pool netA

Ralph\_Bohner's\_House(dhcp-config)#network 192.168.1.0 255.255.0.0

Ralph\_Bohner's\_House(dhcp-config)#default-router 192.168.1.1

M&B Hardware:

Router>en

Router#conf t

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

Router(config)#hostname M&B\_Hardware

M&B\_Hardware(config)#no ip domain-lookup

M&B\_Hardware(config)#int f5/0

M&B\_Hardware(config-if)#ip address 192.168.3.1 255.255.0.0

M&B\_Hardware(config-if)#no shut

M&B\_Hardware(config-if)#

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

M&B\_Hardware(config-if)#end

M&B\_Hardware#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

M&B\_Hardware#conf t

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

M&B\_Hardware(config)#int se9/0

M&B\_Hardware(config-if)#ip address 192.169.2.2 255.255.255.0

M&B\_Hardware(config-if)#no shut

M&B\_Hardware(config-if)#

%LINK-5-CHANGED: Interface Serial9/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial9/0, changed state to up

M&B\_Hardware(config)#int se8/0

M&B\_Hardware(config-if)#ip address 192.169.2.4 255.255.255.0

% 192.169.2.0 overlaps with Serial9/0 Initially we tried this but it overlaps.

M&B\_Hardware(config-if)#ip address 192.169.3.1 255.255.255.0

M&B\_Hardware(config-if)#no shut

M&B\_Hardware(config-if)#int se3/0

M&B\_Hardware(config-if)#ip address 192.169.6.1 255.255.255.0

M&B\_Hardware(config-if)#no shut

M&B\_Hardware(config-if)#

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

M&B\_Hardware(config-if)#

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

M&B\_Hardware(config)#int se2/0

M&B\_Hardware(config-if)#ip address 192.169.10.1 255.255.255.0

M&B\_Hardware(config-if)#no shut

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

M&B\_Hardware(config)#int se1/0

M&B\_Hardware(config-if)#ip address 192.169.14.1 255.255.255.0

M&B\_Hardware(config-if)#no shut

M&B\_Hardware(config-if)#

%LINK-5-CHANGED: Interface Serial1/0, changed state to up

M&B\_Hardware(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up

M&B\_Hardware(config-if)#exit

M&B\_Hardware(config)#exit

M&B\_Hardware#

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

M&B\_Hardware#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

M&B\_Hardware(config)#ip dhcp pool netA

M&B\_Hardware(dhcp-config)#network 192.168.3.0 255.255.0.0

M&B\_Hardware(dhcp-config)#default-router 192.168.3.1

Proctor’s Residence

Router>en

Router#conf t

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

Router(config)#hostname Proctor\_Residence

Proctor\_Residence(config)#no ip domain-lookup

Proctor\_Residence(config-if)#int f5/0

Proctor\_Residence(config-if)#ip address 192.168.4.1 255.255.0.0

Proctor\_Residence(config-if)#no shut

Proctor\_Residence(config-if)#

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to administratively down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to down

Proctor\_Residence(config-if)#int se8/0

Proctor\_Residence(config-if)#ip address 192.168.2.3 255.255.255.0

% 192.168.2.0 overlaps with FastEthernet5/0

Proctor\_Residence(config-if)#ip address 192.169.3.2 255.255.255.0

Proctor\_Residence(config-if)#no shut

%LINK-5-CHANGED: Interface Serial8/0, changed state to down

Proctor\_Residence(config)#int se3/0

Proctor\_Residence(config-if)#ip address 192.169.4.2 255.255.255.0

Proctor\_Residence(config-if)#no shut

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

Proctor\_Residence(config)#int se9/0

Proctor\_Residence(config-if)#ip address 192.169.7.1 255.255.255.0

Proctor\_Residence(config-if)#no shut

%LINK-5-CHANGED: Interface Serial9/0, changed state to down

Proctor\_Residence(config)#int se2/0

Proctor\_Residence(config-if)#ip address 192.169.8.1 255.255.255.0

Proctor\_Residence(config-if)#no shut

Proctor\_Residence(config-if)#

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

Proctor\_Residence(config-if)#

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

Proctor\_Residence(config)#int se1/0

Proctor\_Residence(config-if)#ip address 192.169.12.1 255.255.255.0

Proctor\_Residence(config-if)#no shut

Proctor\_Residence(config-if)#

%LINK-5-CHANGED: Interface Serial1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up

Proctor\_Residence(config-if)#exit

Proctor\_Residence(config)#exit

Proctor\_Residence#

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

Proctor\_Residence#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Proctor\_Residence#

Proctor\_Residence(config)#ip dhcp pool netA

Proctor\_Residence(dhcp-config)#network 192.168.4.0 255.255.0.0

Proctor\_Residence(dhcp-config)#default-router 192.168.4.1

Westview Elementary School:

Press RETURN to get started!

Router>en

Router#conf t

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

Router(config)#hostname Westview\_Elem\_School

Westview\_Elem\_School(config)#no ip domain-lookup

Westview\_Elem\_School(config)#int f5/0

Westview\_Elem\_School(config-if)#ip address 192.168.2.1 255.255.0.0

Westview\_Elem\_School(config-if)#int se2/0

Westview\_Elem\_School(config-if)#ip address 192.169.5.2 255.255.255.0

Westview\_Elem\_School(config-if)#no shut

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

Westview\_Elem\_School(config-if)#int f5/0

Westview\_Elem\_School(config-if)#no shut

Westview\_Elem\_School(config-if)#

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

Westview\_Elem\_School(config)#int se3/0

Westview\_Elem\_School(config-if)#ip address 192.169.6.2 255.255.255.0

Westview\_Elem\_School(config-if)#no shut

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

Westview\_Elem\_School(config)#int se9/0

Westview\_Elem\_School(config-if)#ip address 192.169.7.2 255.255.255.0

Westview\_Elem\_School(config-if)#no shut

Westview\_Elem\_School(config-if)#

%LINK-5-CHANGED: Interface Serial9/0, changed state to up

Westview\_Elem\_School(config-if)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial9/0, changed state to up

Westview\_Elem\_School(config)#int se8/0

Westview\_Elem\_School(config-if)#ip address 192.169.9.1 255.255.255.0

Westview\_Elem\_School(config-if)#no shut

%LINK-5-CHANGED: Interface Serial8/0, changed state to down

Westview\_Elem\_School(config)#int se1/0

Westview\_Elem\_School(config-if)#ip address 192.169.13.1 255.255.255.0

Westview\_Elem\_School(config-if)#no shut

Westview\_Elem\_School(config-if)#

%LINK-5-CHANGED: Interface Serial1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up

Westview\_Elem\_School(config-if)#exit

Westview\_Elem\_School(config)#exit

Westview\_Elem\_School#

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

Westview\_Elem\_School#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Westview\_Elem\_School#

Westview Public Library

Router>en

Router#conf t

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

Router(config)#int fa5/0

Router(config-if)#ip address 192.168.5.1. 255.255.0.0

^

% Invalid input detected at '^' marker.

Router(config-if)#ip address 192.168.5.1 255.255.0.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

Router(config-if)#int se3/0

Router(config-if)#ip address 192.169.8.2 255.255.255.0

Router(config-if)#no shut

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

Router(config-if)#exit

Router(config-if)#int se8/0

Router(config-if)#ip address 192.169.9.2 255.255.255.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial8/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial8/0, changed state to up

Router(config-if)#exit

Router(config)#hostname Westview\_Public\_Library

Westview\_Public\_Library(config)#int se9/0

Westview\_Public\_Library(config-if)#ip address 192.169.16.1 255.255.255.0

Westview\_Public\_Library(config-if)#no shut

Westview\_Public\_Library(config-if)#

%LINK-5-CHANGED: Interface Serial9/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial9/0, changed state to up

Westview\_Public\_Library(config)#int se2/0

Westview\_Public\_Library(config-if)#ip address 192.169.10.2 255.255.255.0

Westview\_Public\_Library(config-if)#no shut

Westview\_Public\_Library(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

Westview\_Public\_Library(config)#int se1/0

Westview\_Public\_Library(config-if)#ip address 192.169.11.2 255.255.255.0

Westview\_Public\_Library(config-if)#no shut

%LINK-5-CHANGED: Interface Serial1/0, changed state to down

Westview\_Public\_Library(config)#exit

Westview\_Public\_Library#

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

Westview\_Public\_Library#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

Westview\_Public\_Library(config-if)#ip dhcp pool netA

Westview\_Public\_Library(dhcp-config)#network 192.168.5.0 255.0.0.0 Specifying the network address

Westview\_Public\_Library(dhcp-config)#default-router 192.168.5.1 Default Gateway/Default Router

Vision Residence:

Router>en

Router#conf t

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

Router(config)#hostname Vision\_Residence

Vision\_Residence(config)#int fa5/0

Vision\_Residence(config-if)#ip address 192.168.6.1 255.255.0.0

Vision\_Residence(config-if)#no shut

Vision\_Residence(config-if)#

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up

Vision\_Residence(config-if)#int se3/0

Vision\_Residence(config-if)#ip address 192.169.12.2 255.255.255.0

Vision\_Residence(config-if)#no shut

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

Vision\_Residence(config-if)#int se1/0

Vision\_Residence(config-if)#ip address 192.169.13.2 255.255.255.0

Vision\_Residence(config-if)#no shut

%LINK-5-CHANGED: Interface Serial1/0, changed state to down

Vision\_Residence(config-if)#int se2/0

Vision\_Residence(config-if)#ip address 192.169.14.2 255.255.255.0

Vision\_Residence(config-if)#no shut

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

Vision\_Residence(config-if)#int se8/0

Vision\_Residence(config-if)#ip address 192.169.15.2 255.255.255.0

Vision\_Residence(config-if)#no shut

%LINK-5-CHANGED: Interface Serial8/0, changed state to down

Vision\_Residence(config-if)#int se9/0

Vision\_Residence(config-if)#ip address 192.169.16.2 255.255.255.0

Vision\_Residence(config-if)#no shut

%LINK-5-CHANGED: Interface Serial9/0, changed state to down

Vision\_Residence(config-if)#exit

Vision\_Residence(config)#exit

Vision\_Residence#

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

Vision\_Residence#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]