Configurations – Class B

#R1

Router>en
Router#conf t
Router(config)#int fa0/0
Router(config-if)#ip address 172.16.63.254 255.255.192.0
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa0/1
Router(config-if)#ip address 172.16.72.129 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#ip route 172.16.64.0 255.255.248.0 172.16.72.130
Router(config)#ip route 172.16.72.0 255.255.255.128 172.16.72.130

#R2

Router>en
Router#conf t
Router(config)#int fa0/0
Router(config-if)#ip address 172.16.71.254 255.255.248.0
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa1/1
Router(config-if)#ip address 172.16.72.130 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int fa1/0
Router(config-if)#ip address 172.16.72.133 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#ip route 172.16.0.0 255.255.192.0 172.16.72.129
Router(config)#ip route 172.16.72.0 255.255.255.128 172.16.72.134

#R3

Router>en
Router#conf t
Router(config)#int fa0/0
Router(config-if)#ip address 172.16.72.126 255.255.255.128
Router(config-if)#no shut
Router(config-if)#exit

```
Router(config)#int fa0/1
Router(config-if)#ip address 172.16.72.134 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#ip route 172.16.0.0 255.255.192.0 172.16.72.133
Router(config)#ip route 172.16.64.0 255.255.248.0 172.16.72.133
```

11,000 Hosts

IP Address: 172.16.0.1
Subnet Mask: 255.255.192.0
Default Gateway: 172.16.63.254

1,200 Hosts

IP Address: 172.16.64.1
Subnet Mask: 255.255.248.0
Default Gateway: 172.16.71.254

95 Hosts

IP Address: 172.16.72.1
Subnet Mask: 255.255.255.128
Default Gateway: 172.16.72.126