

Lotus:

```
Router>enable
Router#configure terminal
Router(config)#hostname Lotus
Lotus(config)#interface Serial0/0/0
Lotus(config-if)#ip address 192.168.1.162 255.255.255.252
Lotus(config-if)#no shutdown
Lotus(config-if)#exit
Lotus(config)#interface Serial0/0/1
Lotus(config-if)#ip address 192.168.1.169 255.255.255.252
Lotus(config-if)#no shutdown
Lotus(config-if)#exit
Lotus(config)#interface Serial0/1/0
Lotus(config-if)#ip address 192.168.1.157 255.255.255.252
Lotus(config-if)#no shutdown
Lotus(config-if)#exit
Lotus(config)#interface GigabitEthernet0/0
Lotus(config-if)#ip address 192.168.1.1 255.255.255.224
Lotus(config-if)#exit
Lotus(config)#ip route 192.168.1.32 255.255.255.224 192.168.1.161
Lotus(config)#ip route 192.168.1.96 255.255.255.224 192.168.1.158
Lotus(config)#ip route 192.168.1.64 255.255.255.224 192.168.1.161
Lotus(config)#ip route 192.168.1.128 255.255.255.240 192.168.1.170
Lotus(config)#ip route 192.168.1.144 255.255.255.248 192.168.1.170
Lotus(config)#exit
```

Split:

```
Router>enable
Router#configure terminal
Router(config)#hostname Split
Split(config)#interface Serial0/0/0
Split(config-if)#ip address 192.168.1.161 255.255.255.252
Split(config-if)#no shutdown
Split(config-if)#exit
Split(config)#interface Serial0/0/1
Split(config-if)#ip address 192.168.1.165 255.255.255.252
Split(config-if)#no shutdown
Split(config-if)#exit
Split(config)#interface Serial0/1/0
Split(config-if)#ip address 192.168.1.153 255.255.255.252
Split(config-if)#no shutdown
Split(config-if)#exit
Split(config)#interface GigabitEthernet0/0
Split(config-if)#ip address 192.168.1.33 255.255.255.224
Split(config-if)#exit
Split(config)#ip dhcp excluded-address 192.168.1.33 192.168.1.38
Split(config)#ip dhcp pool Split_Pool
Split(dhcp-config)#network 192.168.1.32 255.255.255.224
Split(dhcp-config)#default-router 192.168.1.33
Split(dhcp-config)#dns-server 192.168.1.100
Split(dhcp-config)#exit
Split(config)#ip route 192.168.1.96 255.255.255.224 192.168.1.162
Split(config)#ip route 192.168.1.128 255.255.255.240 192.168.1.162
Split(config)#ip route 192.168.1.144 255.255.255.248 192.168.1.165
Split(config)#ip route 192.168.1.144 255.255.255.248 192.168.1.166
Split(config)#router rip
Split(config-router)#version 2
Split(config-router)#no auto-summary
Split(config-router)#network 192.168.1.152
Split(config-router)#passive-interface g0/0
Split(config-router)#end
```

Haven:

```
Router>enable
Router#configure terminal
Router(config)#hostname Haven
Haven(config)#interface Serial0/0/0
Haven(config-if)#ip address 192.168.1.154 255.255.255.252
Haven(config-if)#no shutdown
Haven(config-if)#exit
Haven(config)#interface GigabitEthernet0/0
Haven(config-if)#ip address 192.168.1.65 255.255.255.224
Haven(config-if)#exit
Haven(config)#ip dhcp excluded-address 192.168.1.65 192.168.1.169
Haven(config)#ip dhcp pool Haven_Pool
Haven(dhcp-config)#network 192.168.1.64 255.255.255.224
Haven(dhcp-config)#default-router 192.168.1.65
Haven(dhcp-config)#dns-server 192.168.1.100
Haven(dhcp-config)#exit
Haven(config)#ip route 192.168.1.0 255.255.255.224 192.168.1.153
Haven(config)#ip route 192.168.1.96 255.255.255.224 192.168.1.153
Haven(config)#ip route 192.168.1.128 255.255.255.240 192.168.1.153
Haven(config)#ip route 192.168.1.144 255.255.255.248 192.168.1.153
Haven(config)#router rip
Haven(config-router)#version 2
Haven(config-router)#no auto-summary
Haven(config-router)#network 192.168.1.152
Haven(config-router)#passive-interface g0/0
Haven(config-router)#end
```

Pearl:

```
Router>enable
Router#configure terminal
Router(config)#hostname Pearl
Pearl(config)#interface Serial0/0/0
Pearl(config-if)#ip address 192.168.1.158 255.255.255.252
Pearl(config-if)#no shutdown
Pearl(config-if)#exit
Pearl(config)#interface GigabitEthernet0/0
Pearl(config-if)#ip address 192.168.1.97 255.255.255.224
Pearl(config-if)#exit
Pearl(config)#ip dhcp excluded-address 192.168.1.97 192.168.1.102
Pearl(config)#ip dhcp pool Pearl_Pool
Pearl(dhcp-config)#network 192.168.1.96 255.255.255.224
Pearl(dhcp-config)#default-router 192.168.1.97
Pearl(dhcp-config)#dns-server 192.168.1.100
Pearl(dhcp-config)#exit
Pearl(config)#ip route 192.168.1.0 255.255.255.224 192.168.1.157
Pearl(config)#ip route 192.168.1.32 255.255.255.224 192.168.1.157
Pearl(config)#ip route 192.168.1.64 255.255.255.224 192.168.1.157
Pearl(config)#ip route 192.168.1.128 255.255.255.240 192.168.1.157
Pearl(config)#ip route 192.168.1.144 255.255.255.248 192.168.1.157
Pearl(config)#exit
```

Ascent:

```
Router>enable
Router#configure terminal
Router(config)#hostname Ascent
Ascent(config)#interface Serial0/0/0
Ascent(config-if)#ip address 192.168.1.173 255.255.255.252
Ascent(config-if)#no shutdown
Ascent(config-if)#exit
Ascent(config)#interface Serial0/0/1
Ascent(config-if)#ip address 192.168.1.170 255.255.255.252
Ascent(config-if)#no shutdown
Ascent(config-if)#exit
Ascent(config)#interface GigabitEthernet0/0
Ascent(config-if)#ip address 192.168.1.129 255.255.255.252
Ascent(config-if)#exit
Ascent(config)#ip dhcp excluded-address 192.168.1.129 192.168.1.134
Ascent(config)#ip dhcp pool Ascent_Pool
Ascent(dhcp-config)#network 192.168.1.128 255.255.255.240
Ascent(dhcp-config)#default-router 192.168.1.129
Ascent(dhcp-config)#dns-server 192.168.1.100
Ascent(dhcp-config)#exit
Ascent(config)#ip route 192.168.1.0 255.255.255.224 192.168.1.169
Ascent(config)#ip route 192.168.1.32 255.255.255.224 192.168.1.169
Ascent(config)#ip route 192.168.1.96 255.255.255.224 192.168.1.169
Ascent(config)#ip route 192.168.1.64 255.255.255.224 192.168.1.169
Ascent(config)#ip route 192.168.1.144 255.255.255.240 192.168.1.174
Ascent(config)#exit
```

Bind:

```
Router>enable
Router#
Router#configure terminal
Router(config)#hostname Bind
Bind(config)#interface Serial0/0/0
Bind(config-if)#ip address 192.168.1.166 255.255.255.252
Bind(config-if)#no shutdown
Bind(config-if)#exit
Bind(config)#interface Serial0/0/1
Bind(config-if)#ip address 192.168.1.174 255.255.255.252
Bind(config-if)#no shutdown
Bind(config-if)#exit
Bind(config)#interface GigabitEthernet0/0
Bind(config-if)#ip address 192.168.1.145 255.255.255.252
Bind(config-if)#exit
Bind(config)#ip dhcp excluded-address 192.168.1.145 192.168.1.149
Bind(config)#ip dhcp pool Bind_Pool
Bind(dhcp-config)#network 192.168.1.144 255.255.255.248
Bind(dhcp-config)#default-router 192.168.1.147
Bind(dhcp-config)#dns-server 192.168.1.100
Bind(dhcp-config)#exit
Bind(config)#ip route 192.168.1.0 255.255.255.224 192.168.1.165
Bind(config)#ip route 192.168.1.64 255.255.255.224 192.168.1.165
Bind(config)#ip route 192.168.1.96 255.255.255.224 192.168.1.165
Bind(config)#ip route 192.168.1.96 255.255.255.224 192.168.1.173 5
Bind(config)#ip route 192.168.1.128 255.255.255.248 192.168.1.173
Bind(config)#exit
```