

Network IP : 123.0.0.0 255.0.0.0

VLSM Table:

Name	Host	Ips	Given	HB	NB
South Blue	65466	65468	65536	16	16
West Blue	10000	10002	16384	14	18
Flevance Kingdom-NB	6546	6548	8192	13	19
Dawn Island-EB	2133	2135	4096	12	20
Rubeck Island-NB	2000	2002	2048	11	21
Germa 66-NB	1500	1502	2048	11	21
Mary Geoise	321	323	512	9	23
Baratie-EB	70	72	128	7	25
A	2	4	4	2	30
B	2	4	4	2	30
C	2	4	4	2	30
D	2	4	4	2	30
E	2	4	4	2	30
F	2	4	4	2	30

Name	Total Hosts	Network Address	Subnet Mask	First Host	Last Host	Broadcast Address
South Blue	65536	123.0.0.0	255.255.0.0	123.0.0.1	123.0.255.254	123.0.255.255
West Blue	16384	123.1.0.0	255.255.192.0	123.1.0.1	123.1.63.254	123.1.63.255
Flevance Kingdom	8192	123.1.64.0	255.255.224.0	123.1.64.1	123.1.95.254	123.1.95.255
Dawn Island	4096	123.1.96.0	255.255.240.0	123.1.96.1	123.1.111.254	123.1.111.255
Rubeck Island	2048	123.1.112.0	255.255.248.0	123.1.112.1	123.1.119.254	123.1.119.255
Germa 66	2048	123.1.120.0	255.255.248.0	123.1.120.1	123.1.127.254	123.1.127.255
Mary Geoise	512	123.1.128.0	255.255.254.0	123.1.128.1	123.1.129.254	123.1.129.255
Baratie	128	123.1.130.0	255.255.255.128	123.1.130.1	123.1.130.126	123.1.130.127
A	4	123.1.130.132	255.255.255.252	123.1.130.133	123.1.130.134	123.1.130.135
B	4	123.1.130.136	255.255.255.252	123.1.130.137	123.1.130.138	123.1.130.139
C	4	123.1.130.140	255.255.255.252	123.1.130.141	123.1.130.142	123.1.130.143
D	4	123.1.130.144	255.255.255.252	123.1.130.145	123.1.130.146	123.1.130.147
E	4	123.1.130.148	255.255.255.252	123.1.130.149	123.1.130.150	123.1.130.151
F	4	123.1.130.152	255.255.255.252	123.1.130.153	123.1.130.154	123.1.130.155

Address Table:

Device	Interface	Address	Subnet Mask	Default Gateway
Mary Geoise	Se0/2	123.1.130.133	255.255.255.252	N/A
	Fa0/0	123.1.128.1	255.255.254.0	N/A
Reverse Mountain	Se3/0	123.1.130.134	255.255.255.252	N/A
	Se8/0	123.1.130.138	255.255.255.252	N/A
	Se2/0	123.1.130.142	255.255.255.252	N/A
	Se6/0	123.1.130.146	255.255.255.252	N/A
	Se7/0	123.1.130.150	255.255.255.252	N/A
North Blue	Se2/0	123.1.130.137	255.255.255.252	N/A
	Se3/0	123.1.130.154	255.255.255.252	N/A
	Fa0/0	123.1.112.1	255.255.248.0	N/A
	Fa1/0	123.1.120.1	255.255.248.0	N/A
	Fa4/0	123.1.64.1	255.255.224.0	N/A
West Blue	Se2/0	123.1.130.141	255.255.255.252	N/A
	Se3/0	123.1.130.153	255.255.255.252	N/A
	Fa0/0	123.1.0.1	255.255.192.0	N/A
East Blue	Se2/0	123.1.130.145	255.255.255.252	N/A
	Fa0/0	123.1.130.1	255.255.255.128	N/A
	Fa1/0	123.1.96.1	255.255.240.0	N/A
South Blue	Se2/0	123.1.130.149	255.255.255.252	N/A
	Fa0/0	123.0.0.1	255.255.0.0	N/A
PC0	NIC	123.1.112.2	255.255.248.0	123.1.112.1
PC1	NIC	123.1.112.3	255.255.248.0	123.1.112.1
PC2	NIC	123.1.120.2	255.255.248.0	123.1.120.1
PC3	NIC	123.1.120.3	255.255.248.0	123.1.120.1
PC4	NIC	123.1.64.2	255.255.224.0	123.1.64.1
PC5	NIC	123.1.64.3	255.255.224.0	123.1.64.1
PC6	NIC	123.1.0.2	255.255.192.0	123.1.0.1
PC7	NIC	123.1.0.3	255.255.192.0	123.1.0.1
PC8	NIC	123.1.130.2	255.255.255.128	123.1.130.1
PC9	NIC	123.1.130.3	255.255.255.128	123.1.130.1
PC10	NIC	123.1.96.2	255.255.240.0	123.1.96.1
PC11	NIC	123.1.96.3	255.255.240.0	123.1.96.1
PC12	NIC	123.0.0.2	255.255.0.0	123.0.0.1
PC13	NIC	123.0.0.3	255.255.0.0	123.0.0.1
PC14	NIC	123.1.128.2	255.255.254.0	123.1.128.1
PC15	NIC	123.1.128.3	255.255.254.0	123.1.128.1
Printer	NIC	123.1.128.4	255.255.254.0	123.1.128.1
Laptop	NIC	123.1.128.5	255.255.254.0	123.1.128.1
Web Server	NIC	123.1.128.6	255.255.254.0	123.1.128.1

Mary Geoise:

Router>en

Router#conf t

Router(config)#interface Serial2/0

Router(config-if)#ip address 123.1.130.133 255.255.255.252

Router(config-if)#no shutdown

Router(config)#interface FastEthernet0/0

Router(config-if)#ip address 123.1.128.1 255.255.254.0

Router(config-if)#no shutdown

Router(config)#ip route 123.1.112.0 255.255.248.0 123.1.130.134

Router(config)#ip route 123.1.120.0 255.255.248.0 123.1.130.134

Router(config)#ip route 123.1.64.0 255.255.224.0 123.1.130.134

Router(config)#ip route 123.1.0.0 255.255.192.0 123.1.130.134

Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.134 5

North Blue:

```
Router>en
Router#conf t
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 123.1.112.1 255.255.248.0
Router(config-if)#no shutdown
Router(config)#interface FastEthernet1/0
Router(config-if)#ip address 123.1.120.1 255.255.248.0
Router(config-if)#no shutdown
Router(config)#interface FastEthernet4/0
Router(config-if)#ip address 123.1.64.1 255.255.224.0
Router(config-if)#no shutdown
Router(config)#interface Serial2/0
Router(config-if)#ip address 123.1.130.137 255.255.255.252
Router(config-if)#no shutdown
Router(config)#interface Serial3/0
Router(config-if)#ip address 123.1.130.154 255.255.255.252
Router(config-if)#no shutdown

Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.138
Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.153 5
```

West Blue:

```
Router>en
```

```
Router#conf t
```

```
Router(config)#interface Serial2/0
```

```
Router(config-if)#ip address 123.1.130.141 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial3/0
```

```
Router(config-if)#ip address 123.1.130.153 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet0/0
```

```
Router(config-if)#ip address 123.1.0.1 255.255.192.0
```

```
Router(config-if)#no shutdown
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.142
```

```
Router(config)#ip route 123.1.112.0 255.255.248.0 123.1.130.154
```

```
Router(config)#ip route 123.1.120.0 255.255.248.0 123.1.130.154
```

```
Router(config)#ip route 123.1.64.0 255.255.224.0 123.1.130.154
```

East Blue:

```
Router>en
```

```
Router#conf t
```

```
Router(config)#interface FastEthernet0/0
```

```
Router(config-if)#ip address 123.1.130.1 255.255.255.128
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface FastEthernet1/0
```

```
Router(config-if)#ip address 123.1.96.1 255.255.240.0
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial2/0
```

```
Router(config-if)#ip address 123.1.130.145 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.146
```

```
Router(config)#router rip
```

```
Router(config-router)#version 2
```

```
Router(config-router)#no auto
```

```
Router(config-router)#no auto-summary
```

```
Router(config-router)#network 123.1.130.0
```

```
Router(config-router)#network 123.1.96.0
```

```
Router(config-router)#network 123.1.130.144
```

```
Router(config-router)#passive-interface Fa0/0 Router(config-router)#Passive-interface Fa1/0
```

South Blue:

```
Router>en
Router#conf t
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 123.0.0.1 255.255.0.0
Router(config)#interface Serial2/0
Router(config-if)#no shutdown
Router(config)#interface Serial2/0
Router(config-if)#ip address 123.1.130.149 255.255.255.252
Router(config-if)#no shutdown

Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.150
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#no auto-summary
Router(config-router)#network 123.0.0.0
Router(config-router)#network 123.1.130.148
Router(config-router)#passive-interface Fa0/0
```

Reverse Mountain :

```
Router(config)#interface Serial2/0
```

```
Router(config-if)#ip address 123.1.130.142 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial3/0
```

```
Router(config-if)#ip address 123.1.130.134 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial6/0
```

```
Router(config-if)#ip address 123.1.130.146 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial7/0
```

```
Router(config-if)#ip address 123.1.130.150 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#interface Serial8/0
```

```
Router(config-if)#ip address 123.1.130.138 255.255.255.252
```

```
Router(config-if)#no shutdown
```

```
Router(config)#ip route 123.1.128.0 255.255.254.0 123.1.130.133
```

```
Router(config)#ip route 123.1.112.0 255.255.248.0 123.1.130.137
```

```
Router(config)#ip route 123.1.120.0 255.255.248.0 123.1.130.137
```

```
Router(config)#ip route 123.1.64.0 255.255.224.0 123.1.130.137
```

```
Router(config)#ip route 123.1.0.0 255.255.192.0 123.1.130.141
```

```
Router(config)#ip route 0.0.0.0 0.0.0.0 123.1.130.141 5
```

```
Router(config)#ip route 123.1.130.0 255.255.255.128 123.1.130.145
```

```
Router(config)#ip route 123.1.96.0 255.255.240.0 123.1.130.145
```

```
Router(config)#ip route 123.0.0.0 255.255.0.0 123.1.130.149
```


