**SW1**

vlan database

vlan 1

vlan 21

vlan 31

exit

conf t

interface range f1/0 - 2

switchport mode access

switchport acces vlan 1

interface range f1/3 - 5

switchport mode access

switchport acces vlan 21

interface range f1/6 - 8

switchport mode access

switchport acces vlan 31

interface range f1/13 - 15

switchport mode trunk

switchport trunk allowed vlan 1,1002-1005

ip routing

interface vlan 1

no shutdown

ip address 10.0.1.1 255.255.255.0

interface vlan 21

no shutdown

ip address 10.0.21.1 255.255.255.0

interface vlan 31

no shutdown

ip address 10.0.31.1 255.255.255.0

interface f0/0

no shutdown

ip address 10.1.0.1 255.255.255.0

router rip

version 2

network 10.0.0.0

passive-interface vlan 1

end

write

SW2

vlan database

vlan 1

exit

conf t

interface range f1/0 - 2

switchport mode access

switchport acces vlan 1

interface range f1/13 - 15

switchport mode trunk

switchport trunk allowed vlan 1,1002-1005

ip routing

interface vlan 1

no shutdown

ip address 10.0.1.2 255.255.255.0

interface f0/0

no shutdown

ip address 10.1.0.2 255.255.255.0

interface f0/1

no shutdown

ip address 10.2.0.2 255.255.255.0

router rip

version 2

network 10.0.0.0

passive-interface vlan 1

end

write

**SW3**

vlan database

vlan 1

vlan 22

vlan 32

exit

conf t

interface range f1/0 - 2

switchport mode access

switchport acces vlan 1

interface range f1/3 - 5

switchport mode access

switchport acces vlan 22

interface range f1/6 - 8

switchport mode access

switchport acces vlan 32

interface range f1/13 - 15

switchport mode trunk

switchport trunk allowed vlan 1,1002-1005

ip routing

interface vlan 1

no shutdown

ip address 10.0.1.3 255.255.255.0

interface vlan 22

no shutdown

ip address 10.0.22.3 255.255.255.0

interface vlan 32

no shutdown

ip address 10.0.32.3 255.255.255.0

interface f0/1

no shutdown

ip address 10.2.0.3 255.255.255.0

router rip

version 2

network 10.0.0.0

passive-interface vlan 1

end

write