**----------------------------**

**Router R1**

**----------------------------**

**en**

**config t**

**hostname R1**

**interface Loopback0**

**ip address 1.1.1.1 255.255.255.0**

**no shut**

**exit**

**interface GigabitEthernet0/0**

**ip address 100.0.0.2 255.255.255.252**

**no shut**

**exit**

**interface GigabitEthernet0/1**

**ip address 10.0.12.1 255.255.255.252**

**no shut**

**exit**

**interface GigabitEthernet0/2**

**ip address 10.0.13.1 255.255.255.252**

**no shut**

**exit**

**ip route 0.0.0.0 0.0.0.0 100.0.0.1**

**router ospf 1**

**network 10.0.12.0 0.0.0.3 area 0**

**network 10.0.13.0 0.0.0.3 area 0**

**network 1.1.1.0 0.0.0.255 area 0**

**default-information originate**

**passive-interface GigabitEthernet0/0**

**exit**

**router bgp 65000**

**neighbor 100.0.0.1 remote 65001**

**network 1.1.1.1 mask 255.255.255.255**

**network 2.2.2.1 mask 255.255.255.255**

**network 3.3.3.1 mask 255.255.255.255**

**network 10.0.0.0 mask 255.255.224.0**

**network 10.0.12.0 mask 255.255.255.252**

**network 10.0.13.0 mask 255.255.255.252**

**network 10.0.23.0 mask 255.255.255.252**

**exit**

**----------------------------**

**Router R2**

**----------------------------**

**en**

**config t**

**hostname R2**

**interface Loopback0**

**ip address 2.2.2.2 255.255.255.0**

**no shut**

**exit**

**interface GigabitEthernet0/0**

**ip address 10.0.12.2 255.255.255.252**

**no shut**

**exit**

**interface GigabitEthernet0/1**

**ip address 10.0.23.1 255.255.255.252**

**no shut**

**exit**

**router ospf 1**

**network 10.0.23.0 0.0.0.3 area 0**

**network 10.0.12.0 0.0.0.3 area 0**

**network 2.2.2.0 0.0.0.255 area 0**

**exit**

**----------------------------**

**Router R3**

**----------------------------**

**en**

**config t**

**hostname R3**

**interface Loopback0**

**ip address 3.3.3.3 255.255.255.0**

**no shut**

**exit**

**interface GigabitEthernet0/0**

**ip address 10.0.23.2 255.255.255.252**

**no shut**

**exit**

**interface GigabitEthernet0/1**

**ip address 10.0.13.2 255.255.255.252**

**no shut**

**exit**

**router ospf 1**

**network 10.0.23.0 0.0.0.3 area 0**

**network 10.0.13.0 0.0.0.3 area 0**

**network 3.3.3.0 0.0.0.255 area 0**

**exit**