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

**Router R0**

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

**en**

**config t**

**hostname R0**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.0.0.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.1.1.1 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.7.7.1 255.255.255.0**

**no shut**

**!------------ bgp ------------**

**router bgp 65000**

**neighbor 200.1.1.2 remote-as 65100**

**neighbor 200.7.7.2 remote-as 65060**

**! Ya configuré los vecinos**

**! Ahora voy a anunciar a la unica red**

**! a la que estoy conectado**

**network 100.0.0.0 mask 255.255.255.0**

**! sh**

**router bgp 65000**

**neighbor 200.1.1.2 remote-as 65100**

**neighbor 200.7.7.2 remote-as 65060**

**network 100.0.0.0 mask 255.255.255.0**

**# network 200.1.1.0 mask 255.255.255.0**

**Al dar de alta esta red, la red amarilla, ya**

**conoce la interface más cercana a la red**

**100.0.0.0, ya sabe como ir de regreso.**

**Si desactivamos la interface 200.1.1.1, al intentar**

**conectarse a la red amarilla 100.3.3.1 se va a ir por la**

**red inferior.**

**network 200.7.7.0 mask 255.255.255.0**

**neighbor establece adjacencia**

**network que redes quiero anunciar.**

**Primero anuncio redes y luego recibo tráfico.**

**No anuncies redes desde las cuales no quieres recibir**

**tráfico.**

**Al anunciar la red 200.1.1.0 me estarían penalizando.**

**end**

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

**Router R1**

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

**en**

**config t**

**hostname R1**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.1.1.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.1.1.2 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.2.2.1 255.255.255.0**

**no shut**

**router bgp 65100**

**neighbor 200.1.1.1 remote-as 65000**

**neighbor 200.2.2.2 remote-as 65200**

**network 100.1.1.0 mask 255.255.255.0**

**end**

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

**Router R2**

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

**en**

**config t**

**hostname R2**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.2.2.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.3.3.1 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.2.2.2 255.255.255.0**

**no shut**

**router bgp 65200**

**neighbor 200.2.2.1 remote-as 65100**

**neighbor 200.3.3.2 remote-as 65300**

**network 100.2.2.0 mask 255.255.255.0**

**end**

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

**Router R3**

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

**en**

**config t**

**hostname R3**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.3.3.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.3.3.2 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.4.4.2 255.255.255.0**

**no shut**

**router bgp 65300**

**neighbor 200.3.3.1 remote-as 65200**

**neighbor 200.4.4.1 remote-as 65400**

**network 100.3.3.0 mask 255.255.255.0**

**end**

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

**Router R4**

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

**en**

**config t**

**hostname R4**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.4.4.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.4.4.1 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.5.5.2 255.255.255.0**

**no shut**

**router bgp 65400**

**neighbor 200.5.5.1 remote-as 65500**

**neighbor 200.4.4.2 remote-as 65300**

**network 100.4.4.0 mask 255.255.255.0**

**end**

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

**Router R5**

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

**en**

**config t**

**hostname R5**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.5.5.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.6.6.2 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.5.5.1 255.255.255.0**

**no shut**

**router bgp 65500**

**neighbor 200.5.5.2 remote-as 65400**

**neighbor 200.6.6.1 remote-as 65060**

**network 100.5.5.0 mask 255.255.255.0**

**end**

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

**Router R6**

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

**en**

**config t**

**hostname R6**

**no ip domain-lookup**

**interface G0/0**

**ip address 100.6.6.1 255.255.255.0**

**no shut**

**interface G1/0**

**ip address 200.6.6.1 255.255.255.0**

**no shut**

**interface G2/0**

**ip address 200.7.7.2 255.255.255.0**

**no shut**

**router bgp 65060**

**neighbor 200.7.7.1 remote-as 65000**

**neighbor 200.6.6.2 remote-as 65500**

**network 100.6.6.0 mask 255.255.255.0**

**end**

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

**Switch S0**

**en**

**config t**

**hostname S0**

**interface Vlan1**

**ip address 100.0.0.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.0.0.1**

**end**

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

**Switch S1**

**en**

**config t**

**hostname S1**

**interface Vlan1**

**ip address 100.1.1.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.1.1.1**

**end**

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

**Switch S2**

**en**

**config t**

**hostname S2**

**interface Vlan1**

**ip address 100.2.2.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.2.2.1**

**end**

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

**Switch S3**

**en**

**config t**

**hostname S3**

**interface Vlan1**

**ip address 100.3.3.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.3.3.1**

**end**

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

**Switch S4**

**en**

**config t**

**hostname S4**

**interface Vlan1**

**ip address 100.4.4.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.4.4.1**

**end**

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

**Switch S5**

**en**

**config t**

**hostname S5**

**interface Vlan1**

**ip address 100.5.5.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.5.5.1**

**end**

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

**Switch S6**

**en**

**config t**

**hostname S6**

**interface Vlan1**

**ip address 100.6.6.2 255.255.255.0**

**no shut**

**exit**

**ip default-gateway 100.6.6.1**

**end**