R2> enable

R2# configure terminal

R2(config)# ip dhcp excluded-address 192.168.10.1 192.168.10.10

R2(config)# ip dhcp excluded-address 192.168.30.1 192.168.30.10

R2(config)# ip dhcp pool R1-LAN

R2(dhcp-config)# network 192.168.10.0 255.255.255.0

R2(dhcp-config)# default-router 192.168.10.1

R2(dhcp-config)# dns-server 192.168.20.254

R2(dhcp-config)# exit

R2(config)# ip dhcp pool R3-LAN

R2(dhcp-config)# network 192.168.30.0 255.255.255.0

R2(dhcp-config)# default-router 192.168.30.1

R2(dhcp-config)# dns-server 192.168.20.254

R2(dhcp-config)# exit

R2(config)# interface G0/1

R2(config-if)# ip address dhcp

R2(config-if)# no shutdown

R2(config-if)# exit

R2(config)# exit

R2# copy running-config startup-config

R2# exit

R1> enable

R1# configure terminal

R1(config)# interface G0/0

R1(config-if)# ip helper-address 192.168.20.1

R1(config-if)# exit

R1(config)# exit

R1# copy running-config startup-config

R1# exit

R3> enable

R3# configure terminal

R3(config)# interface G0/0

R3(config-if)# ip helper-address 192.168.20.1

R3(config-if)# exit

R3(config)# exit

R3# copy running-config startup-config

R3# exit

R2> enable

R2# show ip dhcp binding