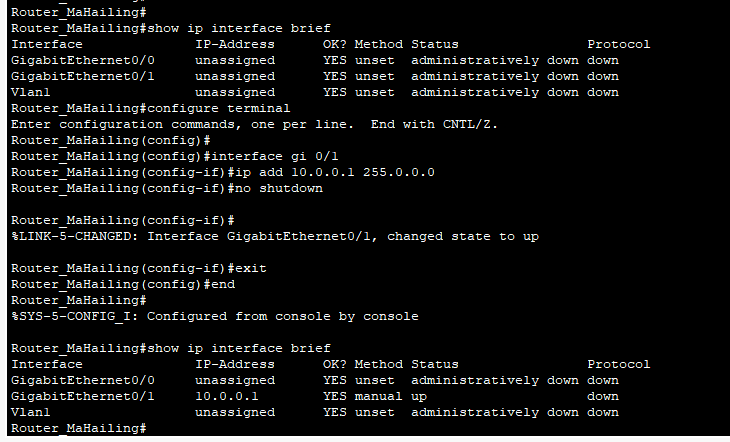
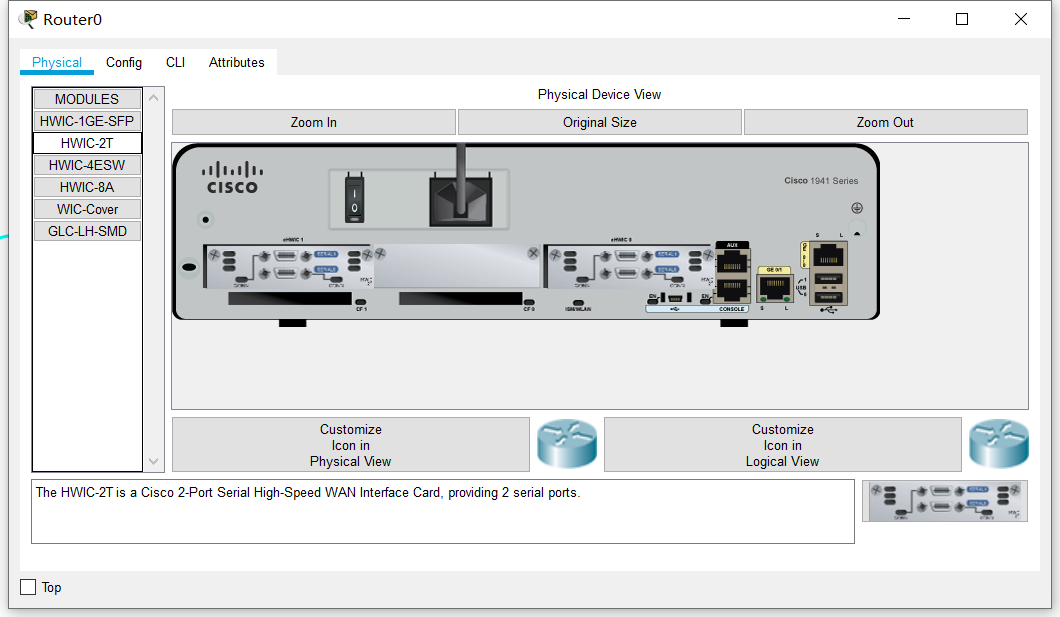
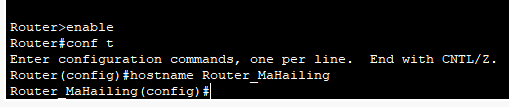
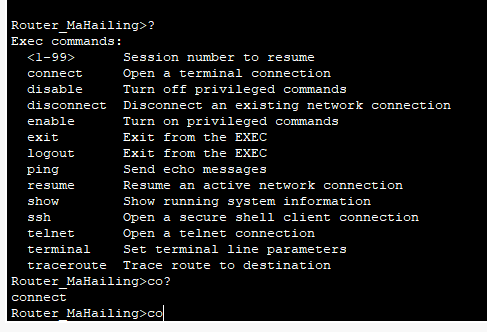
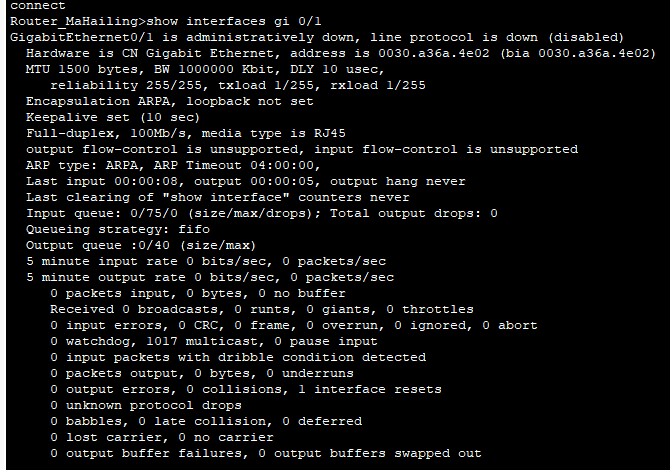
4

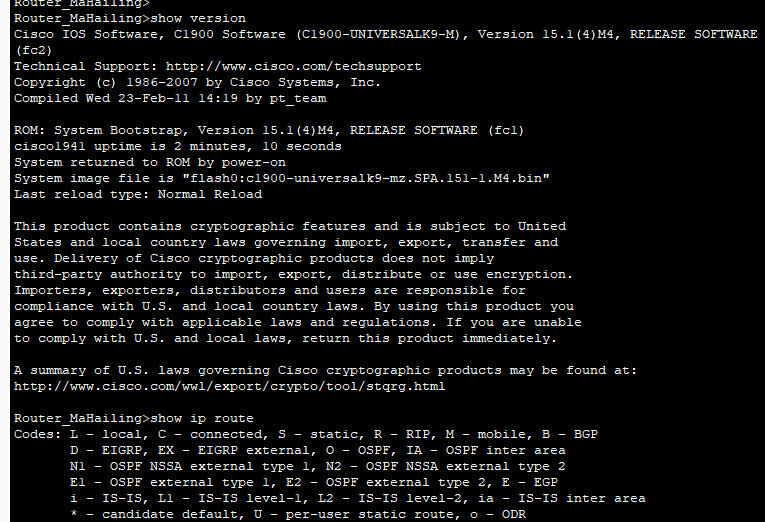


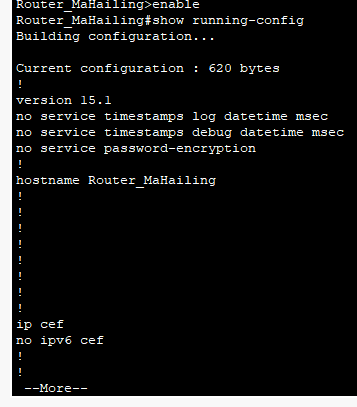


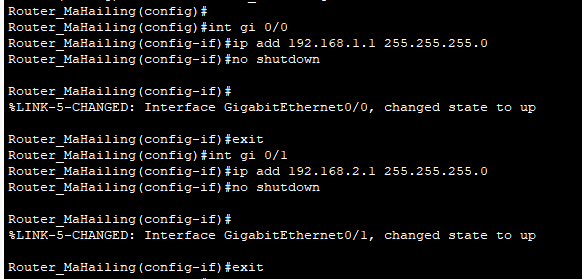


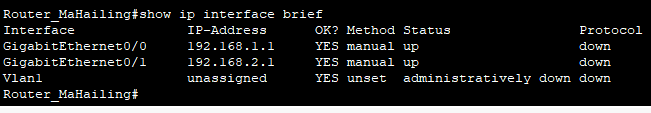


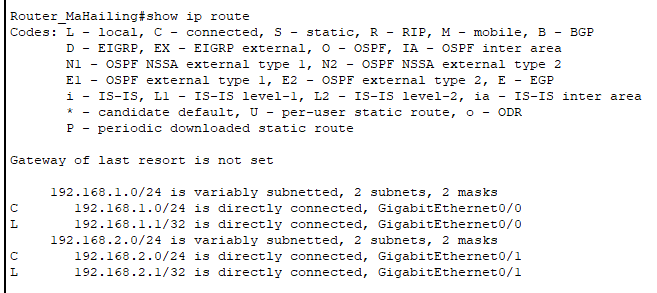


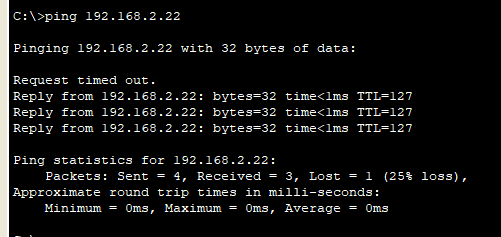


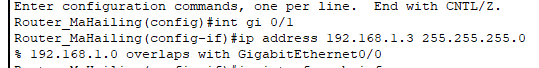


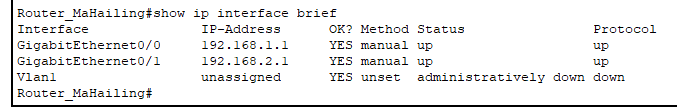












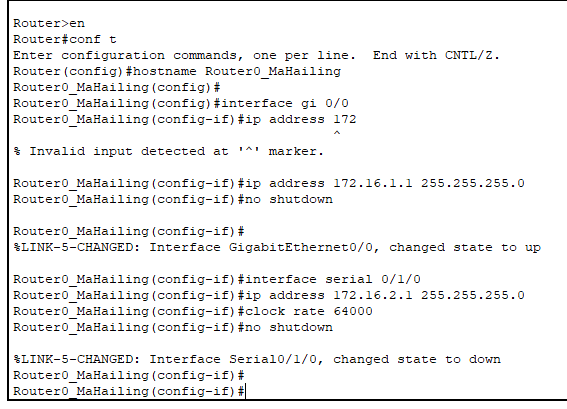
1.

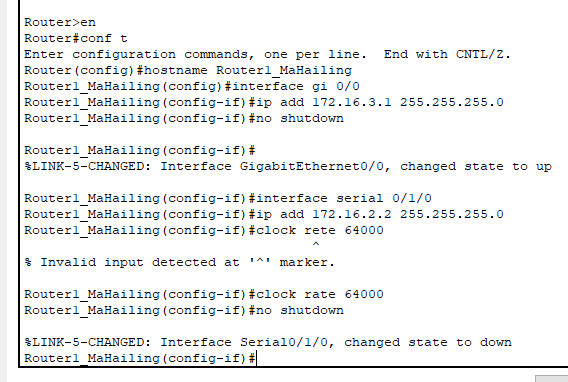
（1）一般地，路由器的物理网络端口通常要有一个IP地址  
（2）相邻路由器的相邻端口IP地址必须在同一IP网络上  
（3）同一路由器的不同端口的IP地址必须在不同IP网段上  
（4）除了相邻路由器的相邻端口外，所有网络中路由器所连接的网段即所有路由器的任何两个非相邻端口都必须不在同一网段上。

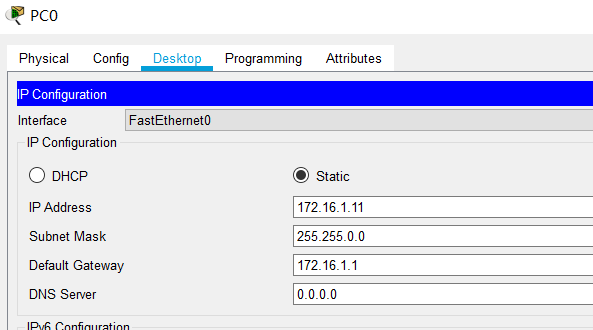
2.

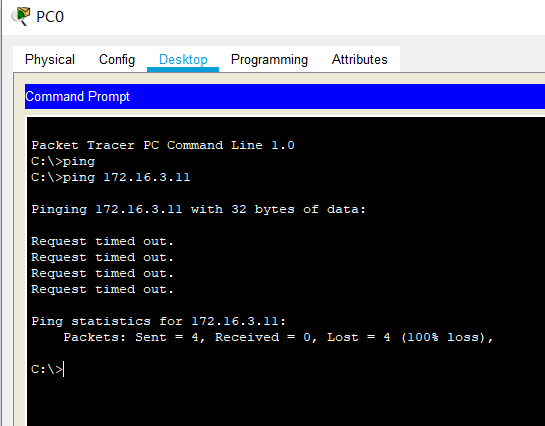
点击需要修改的PC，打开设置界面，点击上方菜单栏Desktop，点击图标IP configuration，修改对应Default Gateway即可修改PC默认网关

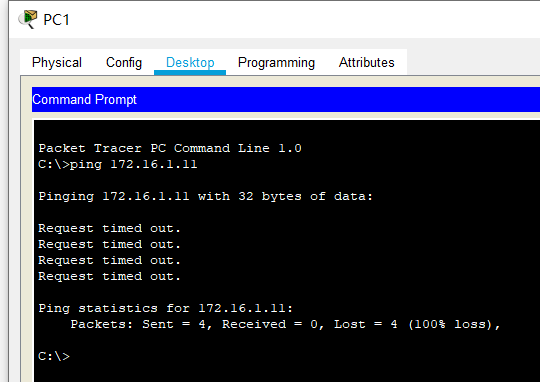
5

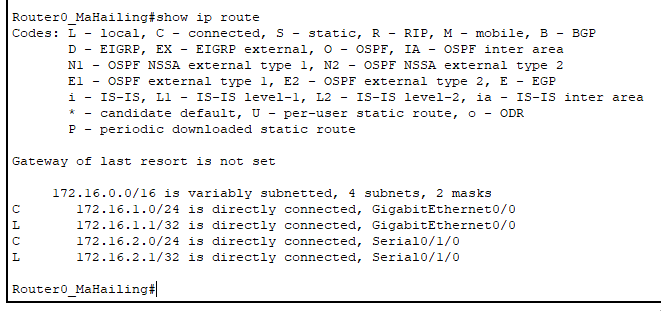


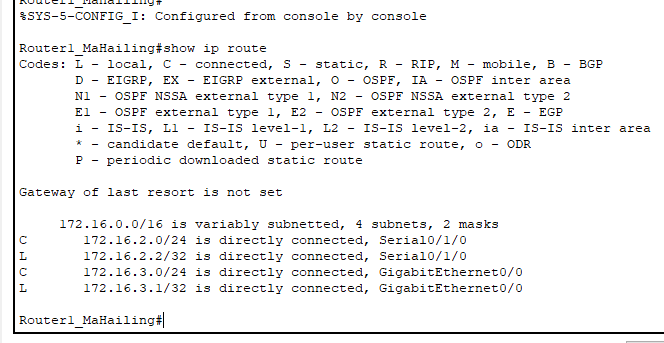




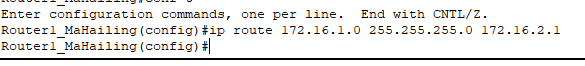


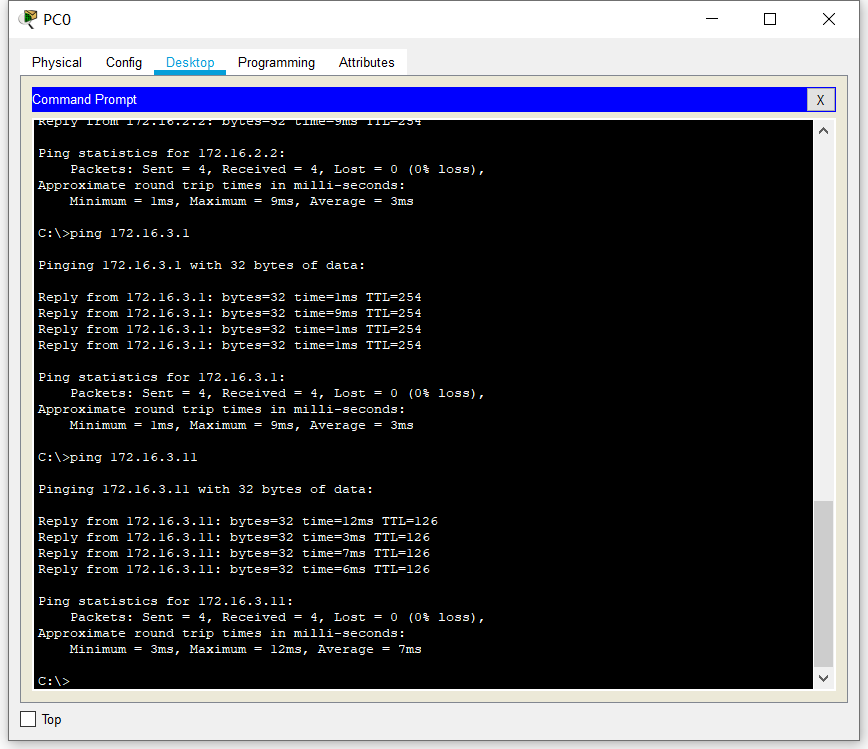


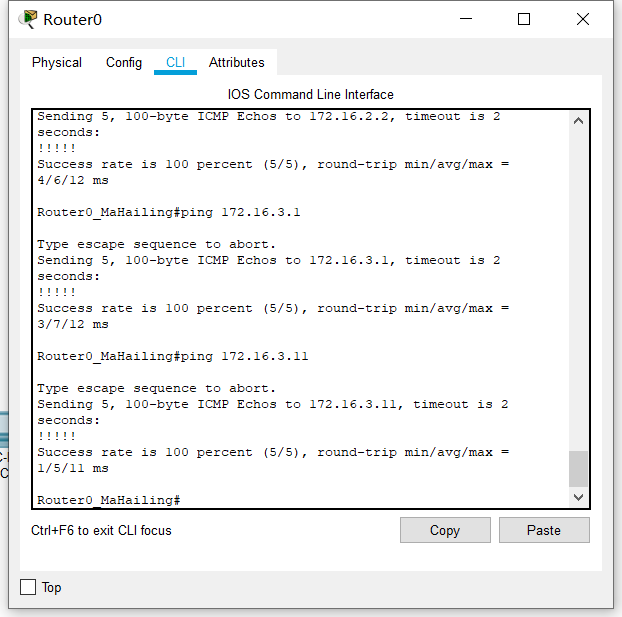


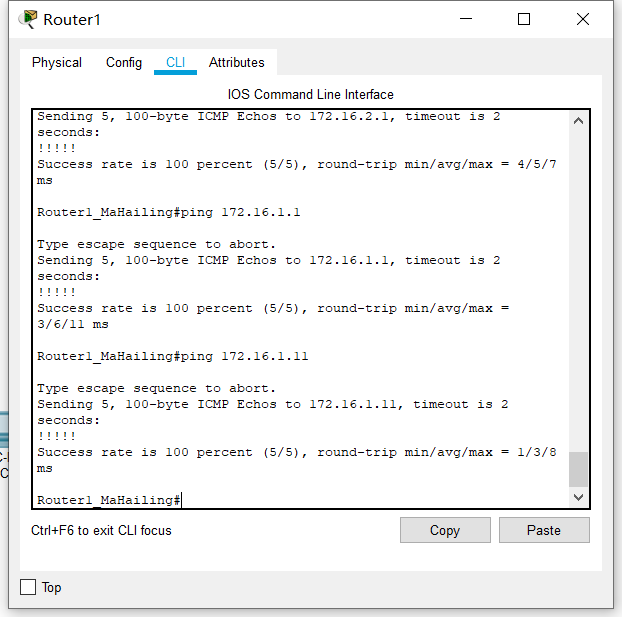


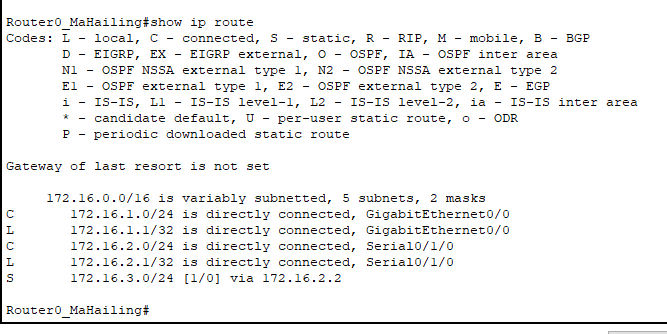


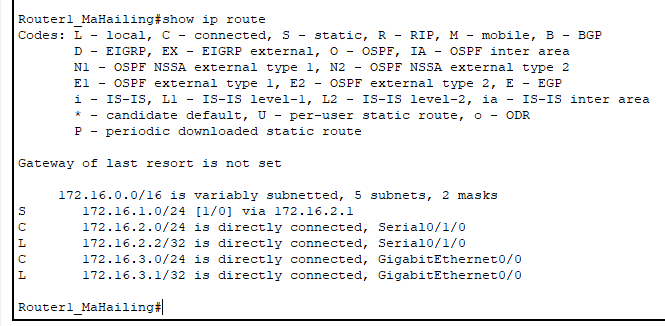


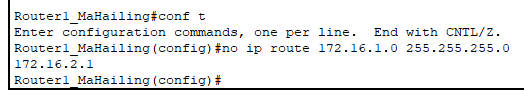


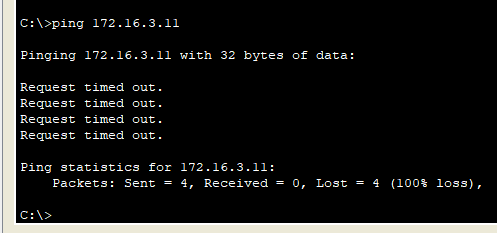


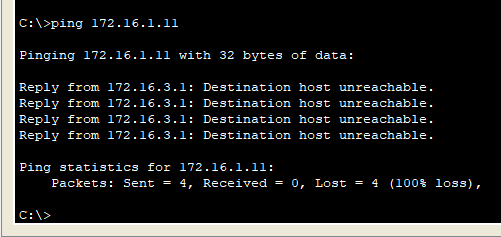


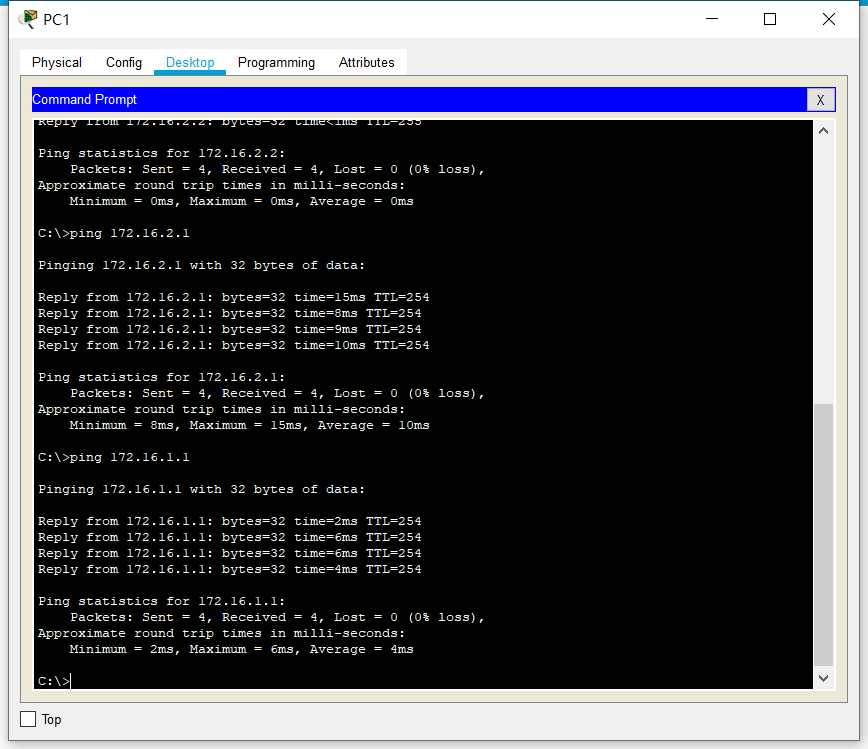






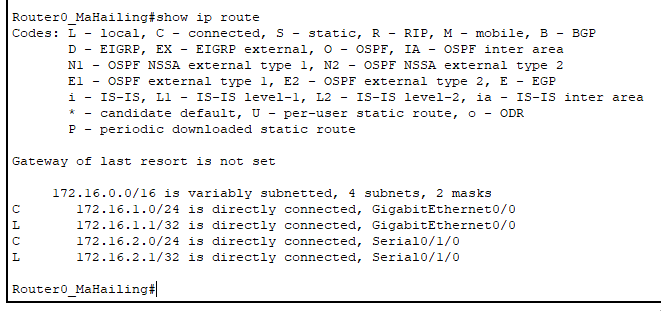






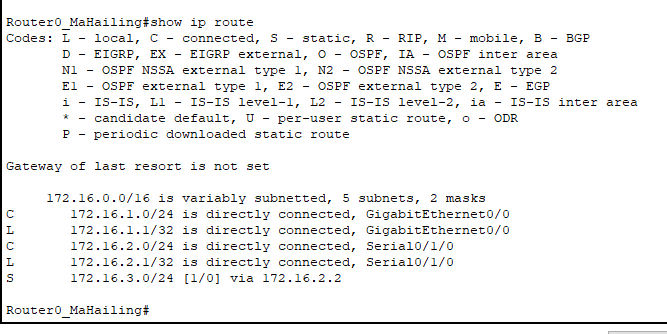
1.

否，未配置静态路由表，无法连通，此时路由表有四个条目



2.

此时路由表有五个条目



新增一条由静态路由表连接的条目

3.

4.

R0:

R0 (config)#

1. ip route 192.168.10.0 255.255.255.0 192.168.2.253

2. ip route 192.168.20.0 255.255.255.0 192.168.3.253

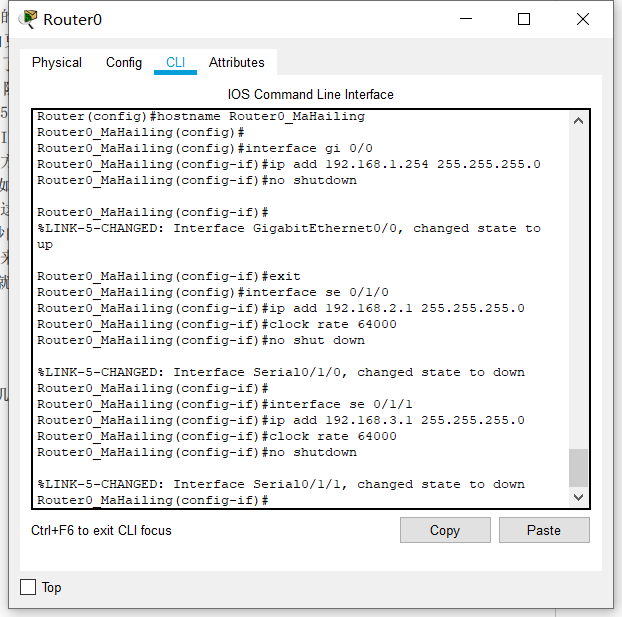
R1:

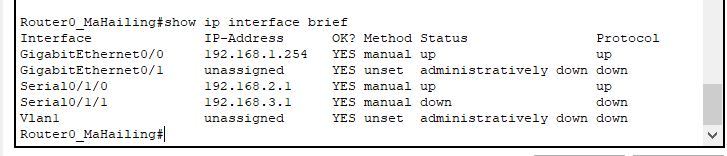
ip route 192.168.1.0 255.255.255.0 192.168.2.254

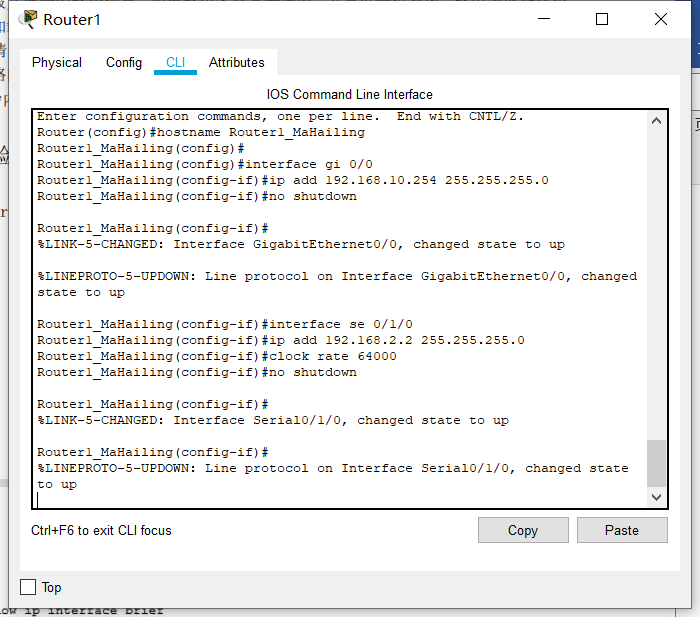
R2:

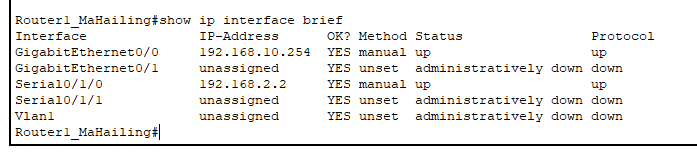
ip route 192.168.1.0 255.255.255.0 192.168.3.254

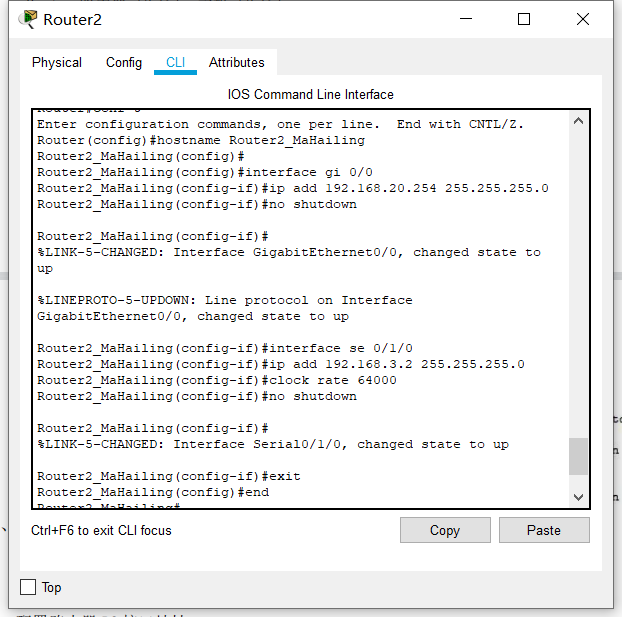
6

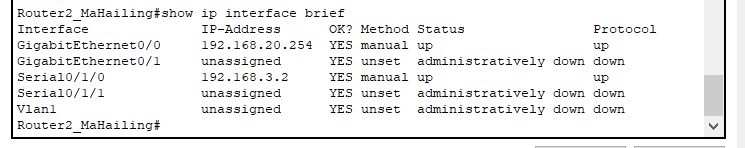


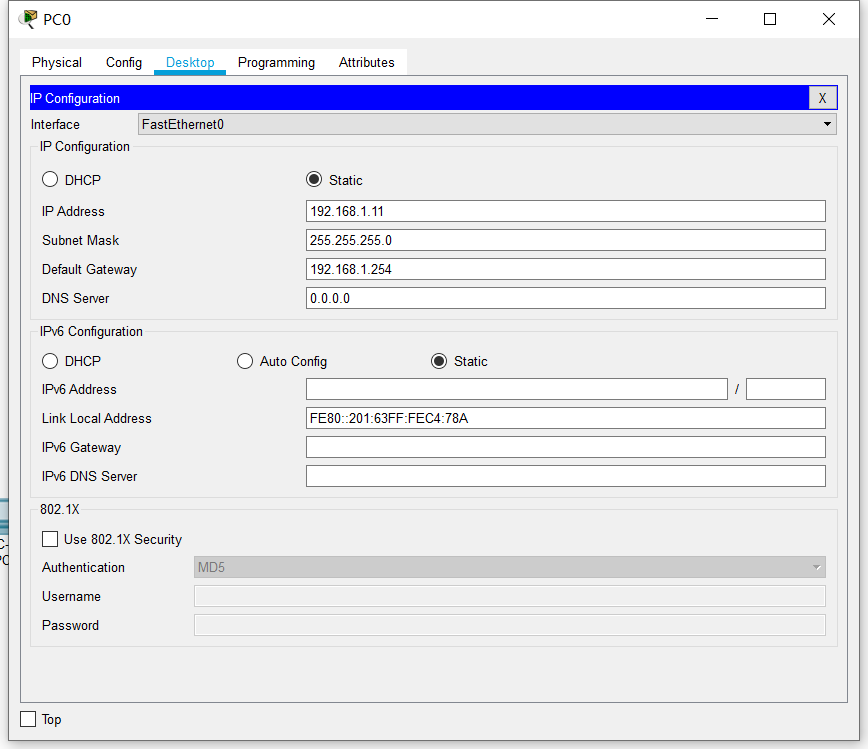


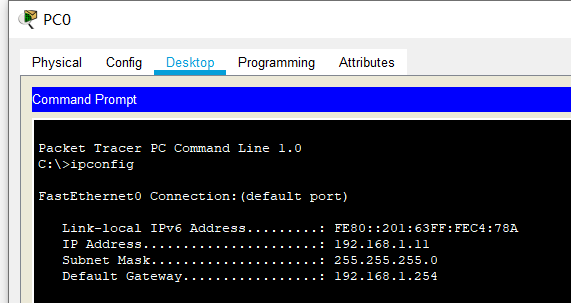


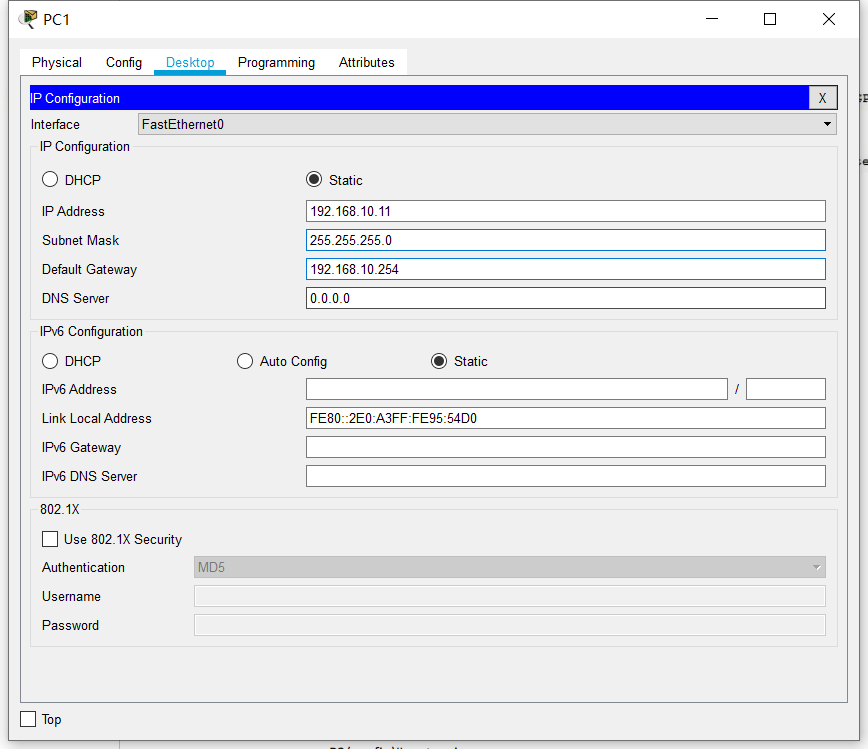


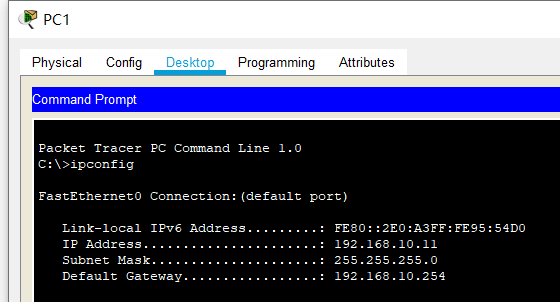


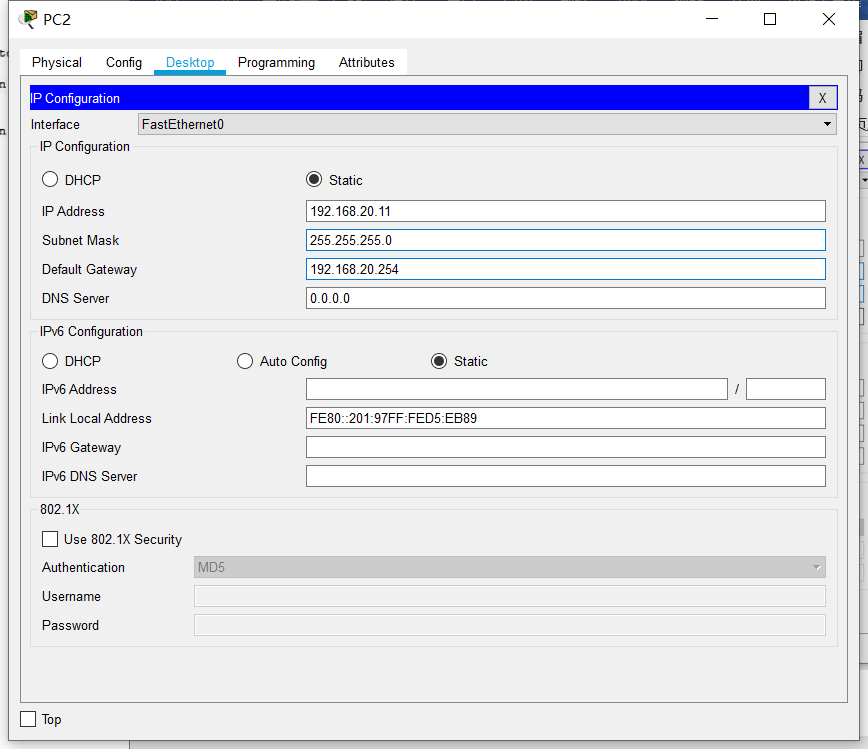


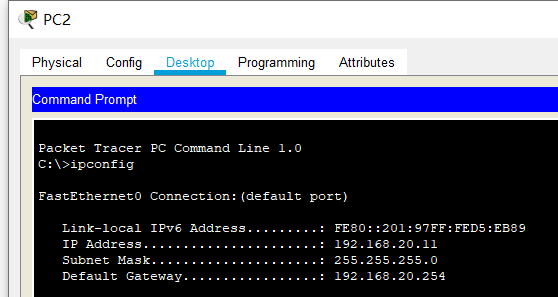


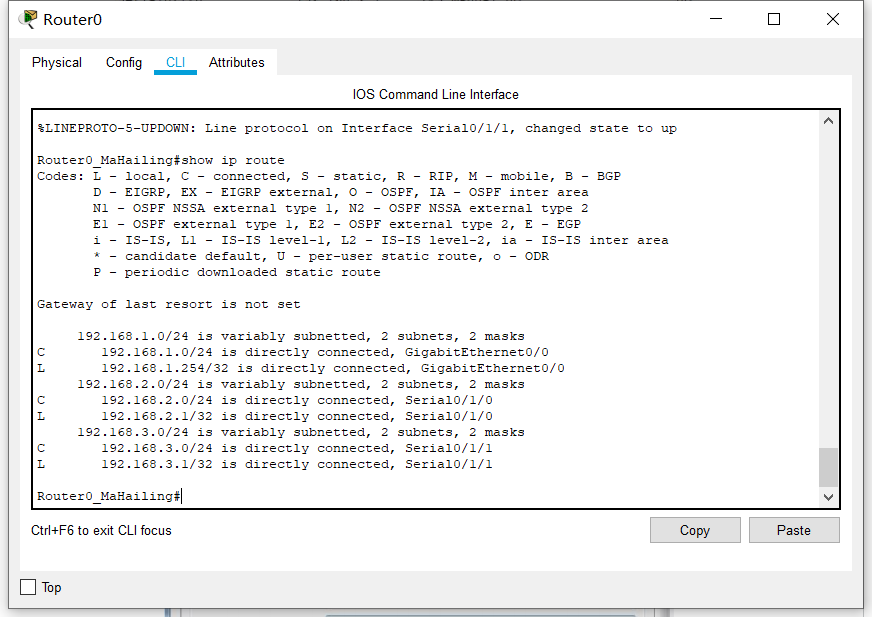


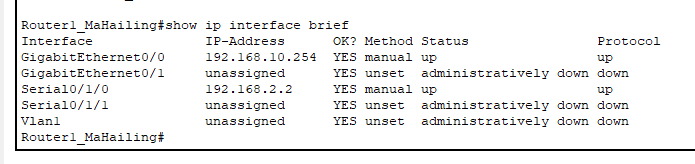
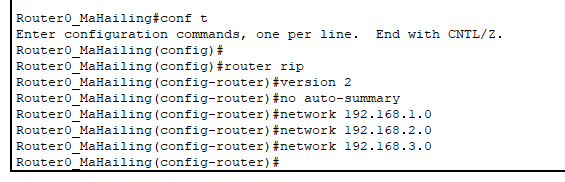


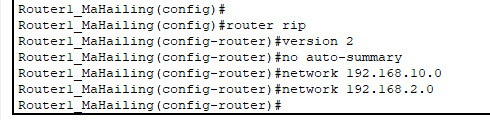


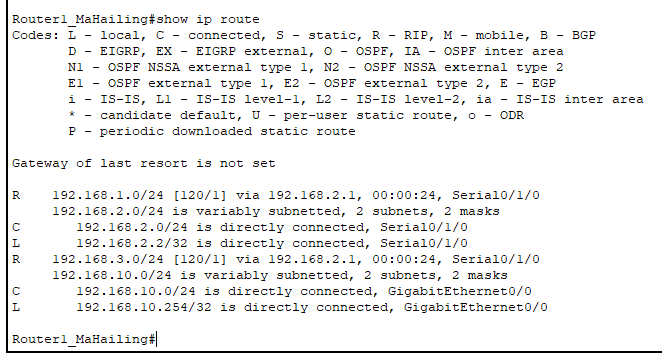


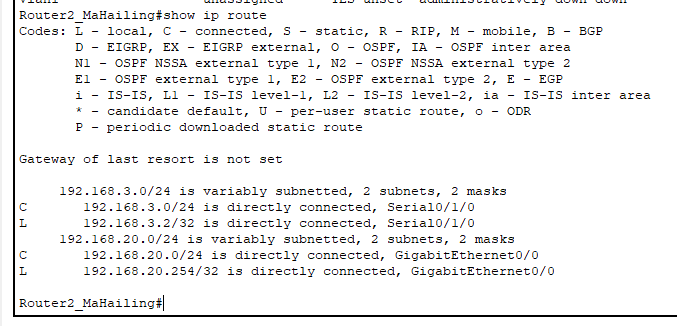


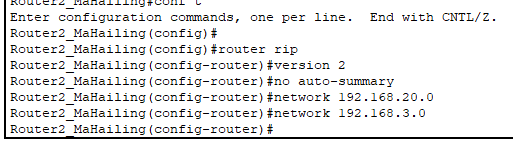


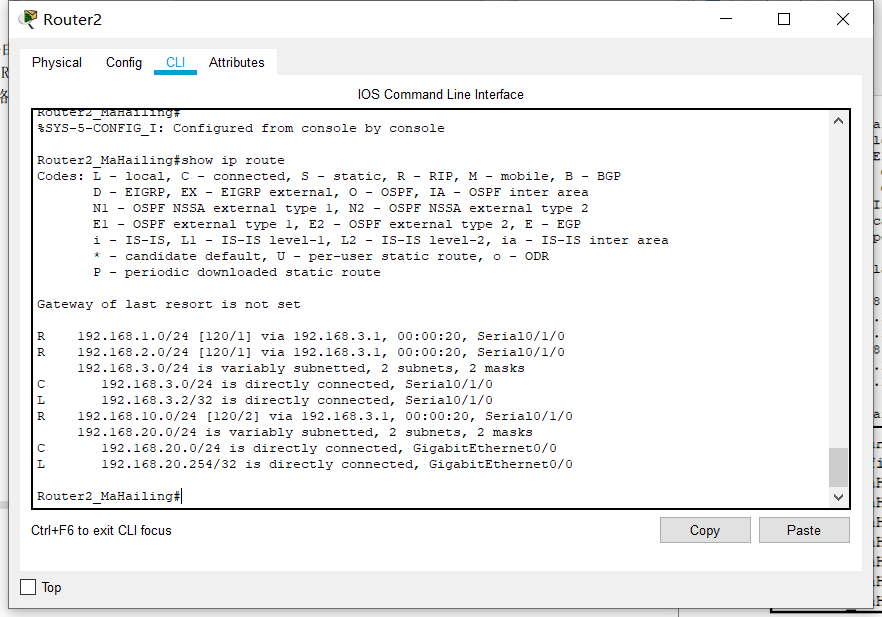


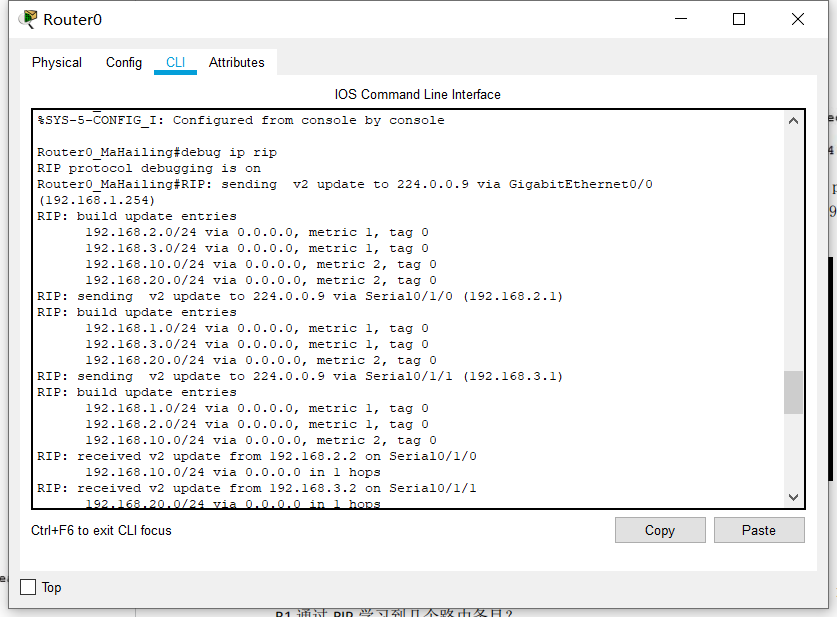


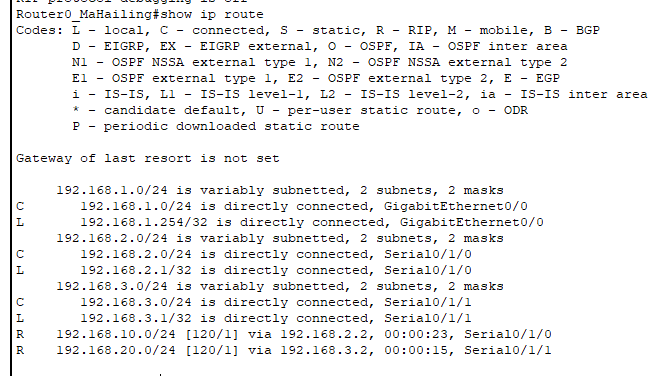


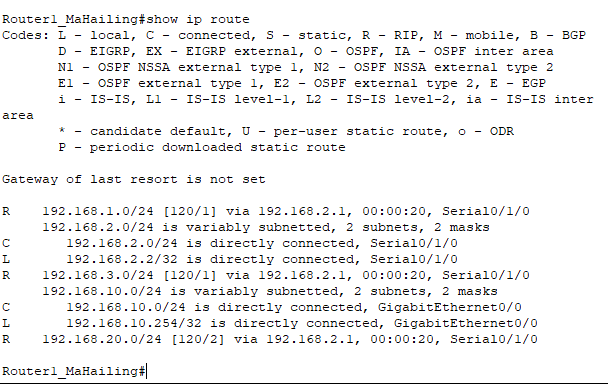


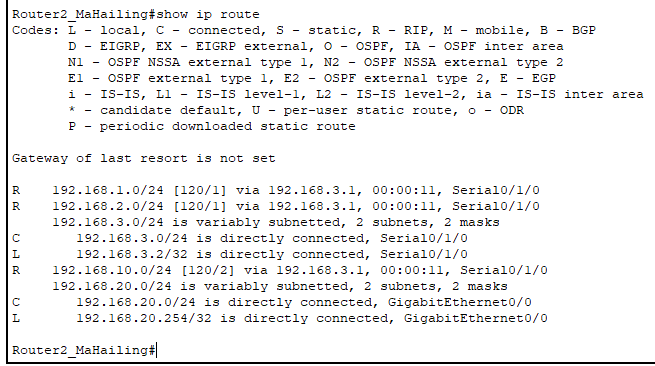


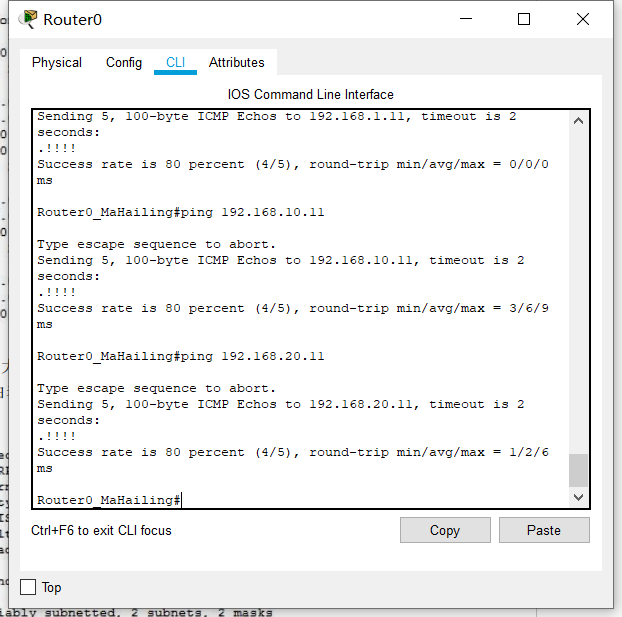


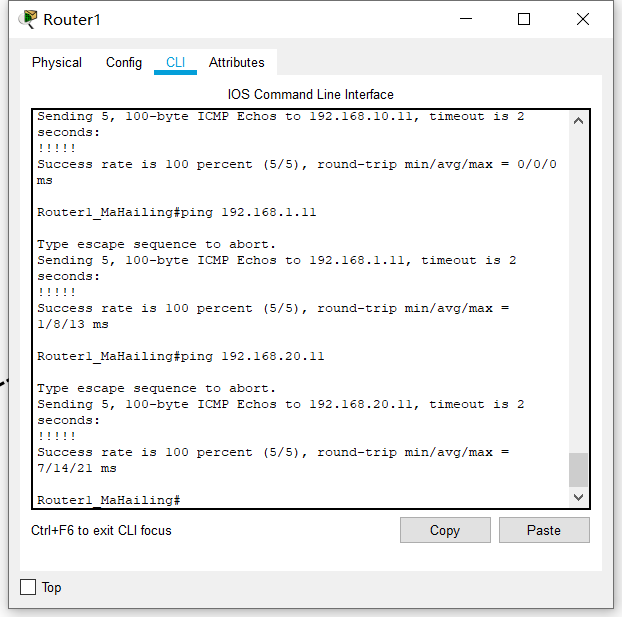


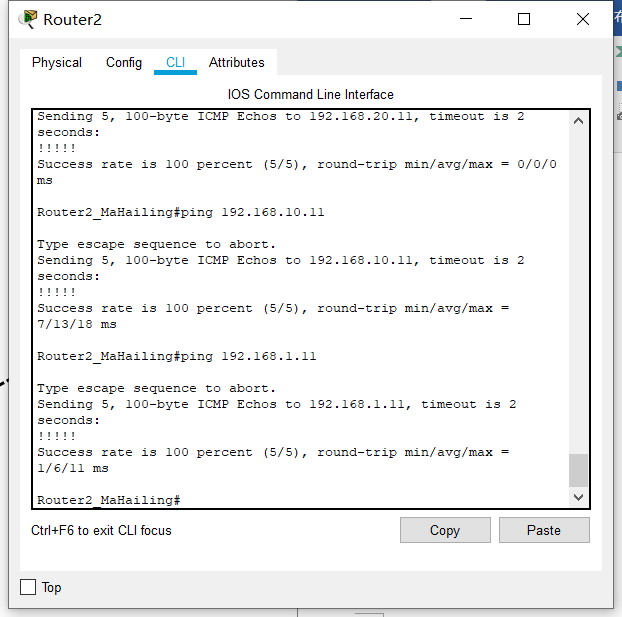


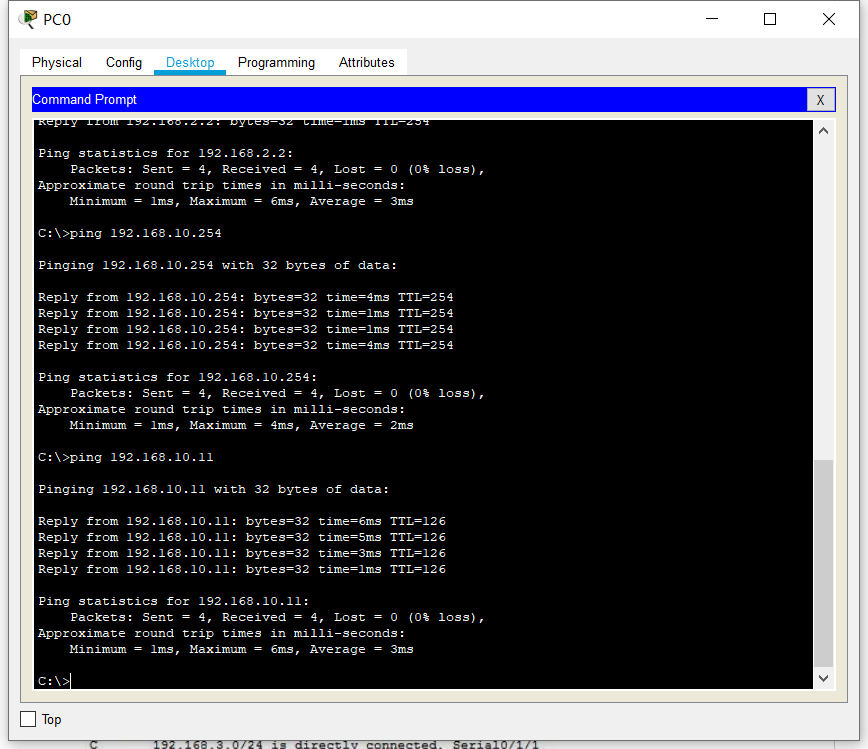


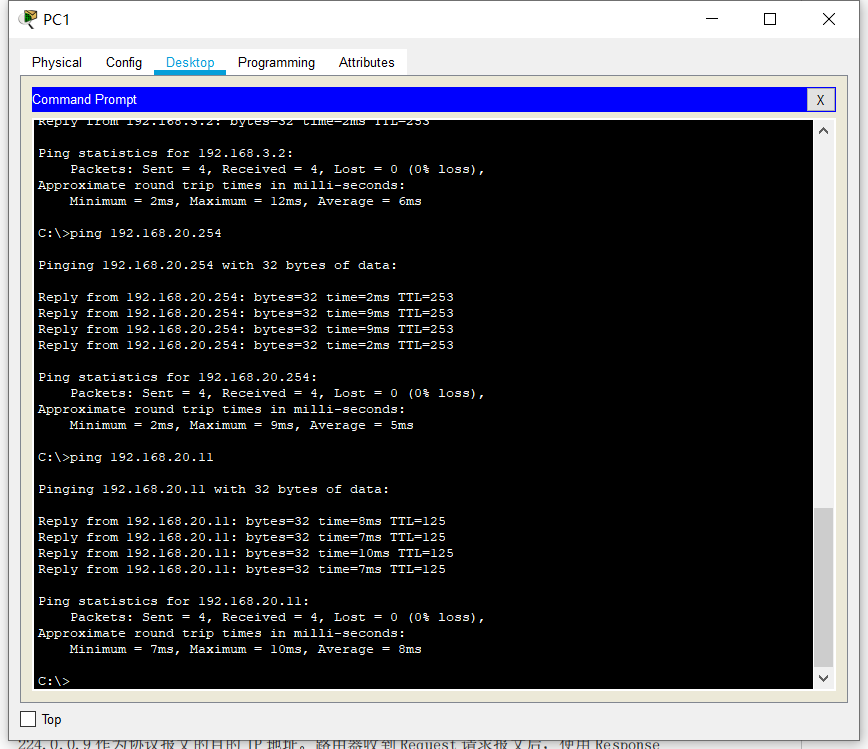


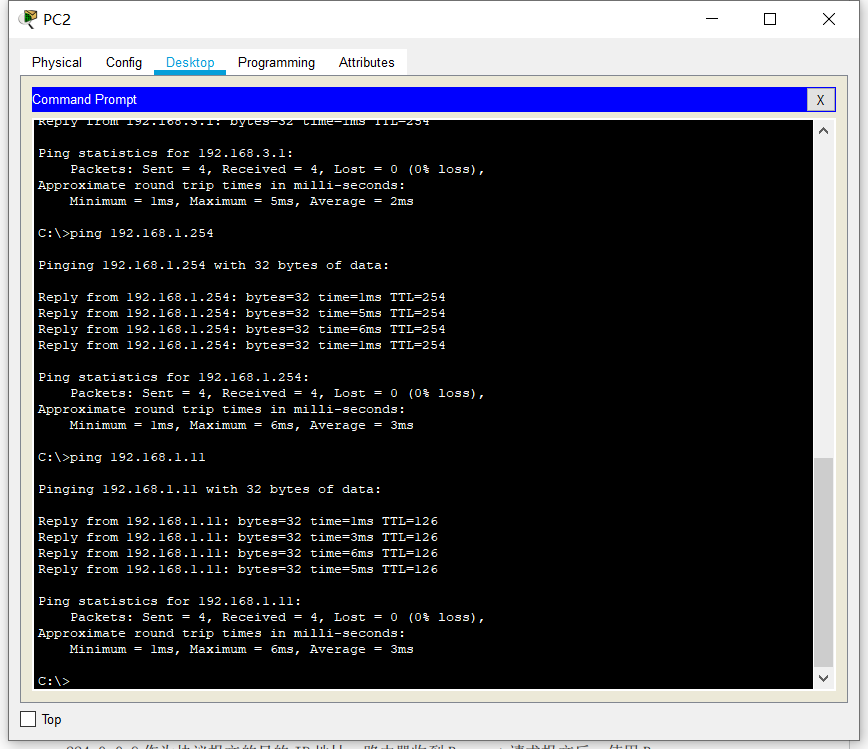




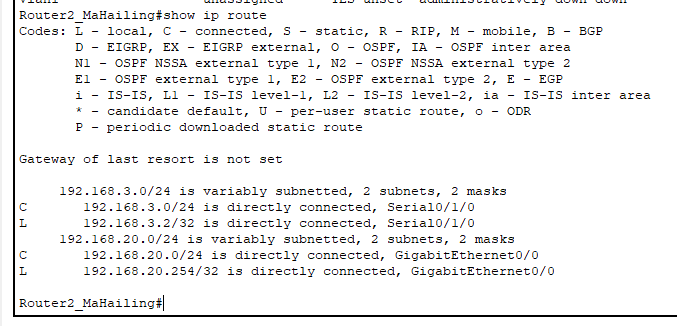


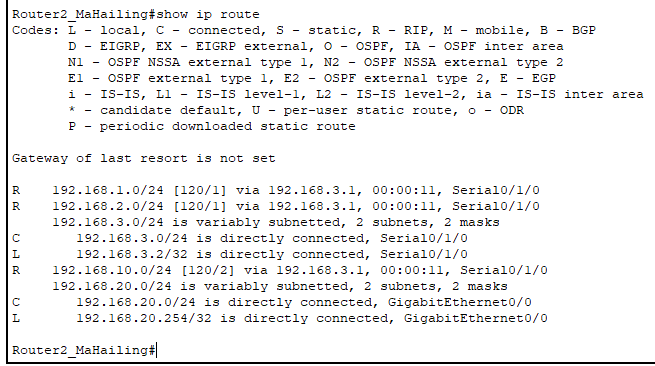






1.





通过上两图比较，通过RIP学习到3个路由条目

2.

根据各路由器及PC由近及远的ping结果来看，本次实验实现了全网全通