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信息学院软件工程系

《计算机网络》实验报告

**题　　目 实验五　CISCO IOS 路由器基本配置**

**班　　级 软件工程2018级1班**

**姓　　名 王薪蕾**

**学　　号 24320182203285**

**实验时间 2020年4月8日**

**2020 年 4月 8日**

# 实验目的

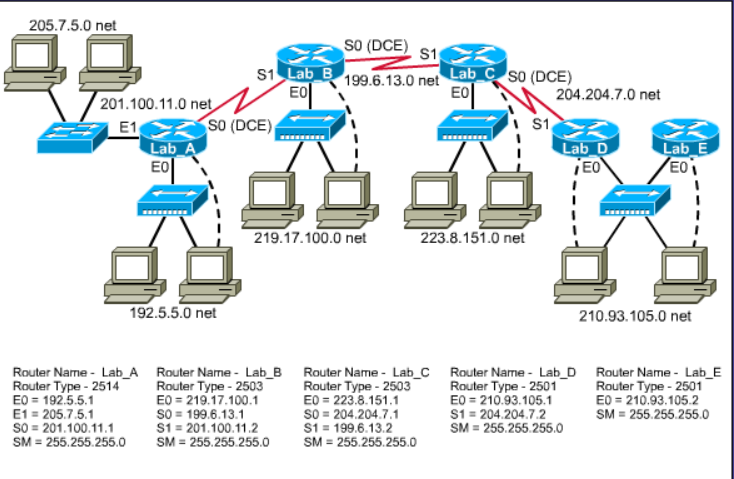
使用 Router eSIM v1.1 模拟器来模拟路由器的配置环境；使用 CCNA Network Visualizer 6.0 配置静态路由、动态路由和交换机端口的 VLAN（虚拟局域网）。

# 实验环境

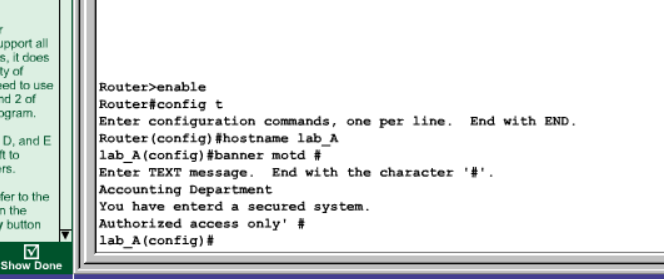
操作系统：windows

# 实验结果

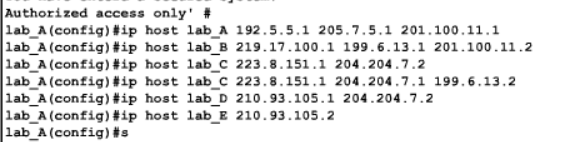
5.2 Cisco IOS 的基本操作和路由器的常规配置



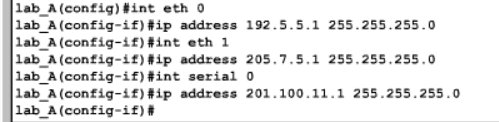
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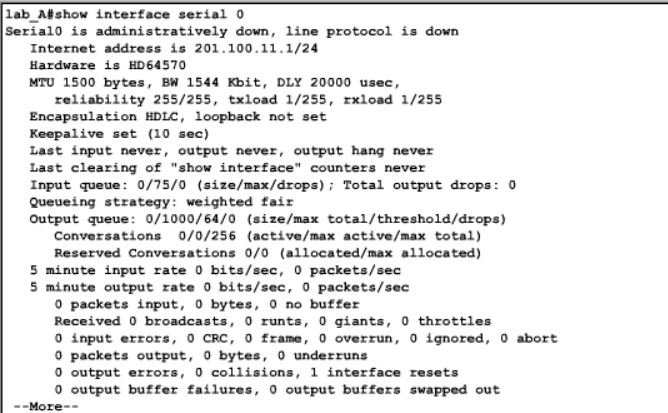


③

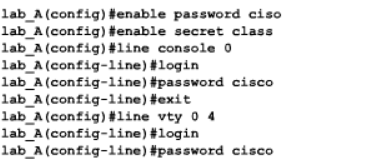


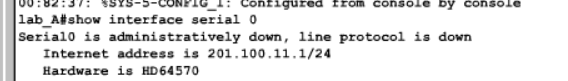
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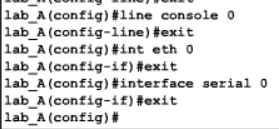




思考题：

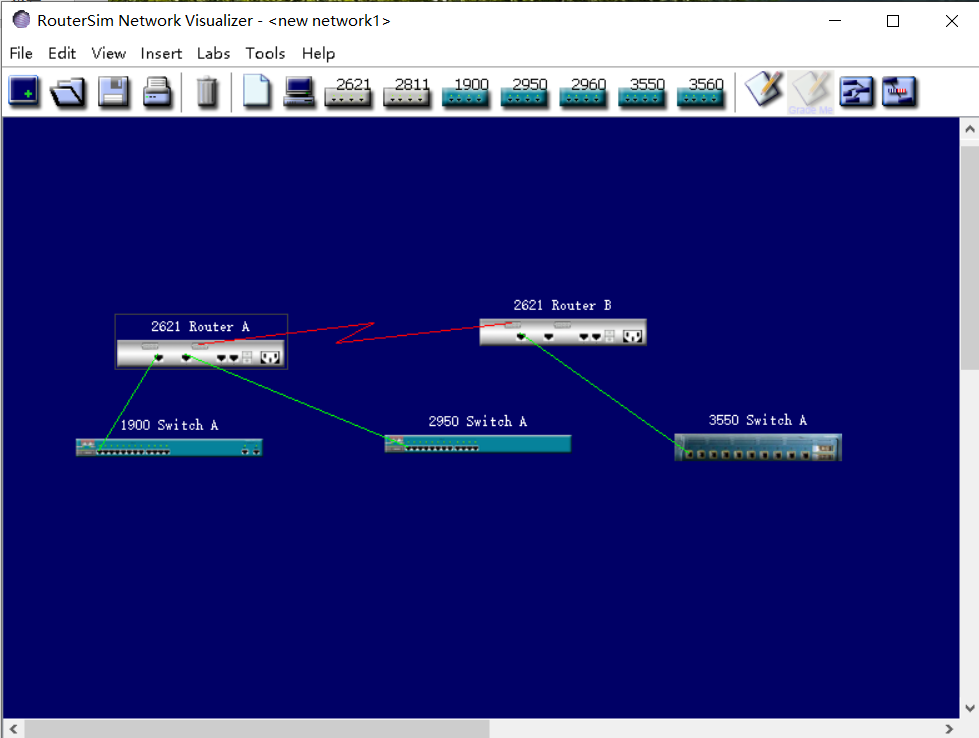
设置密码保护：

show命令判定网络故障显示网络工作状况。

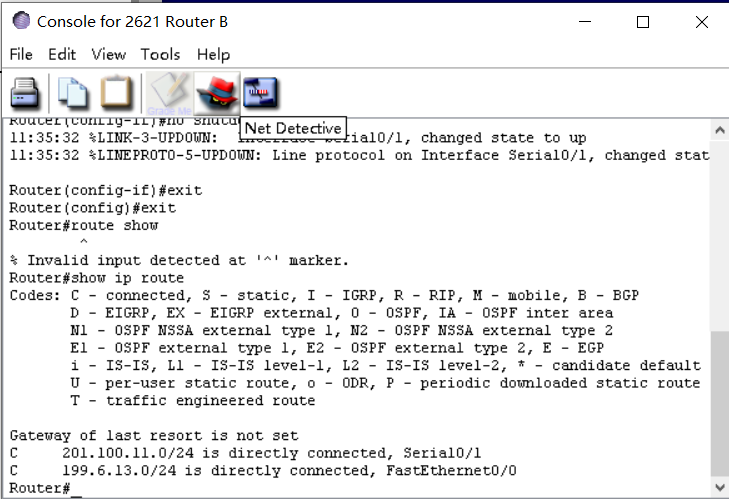
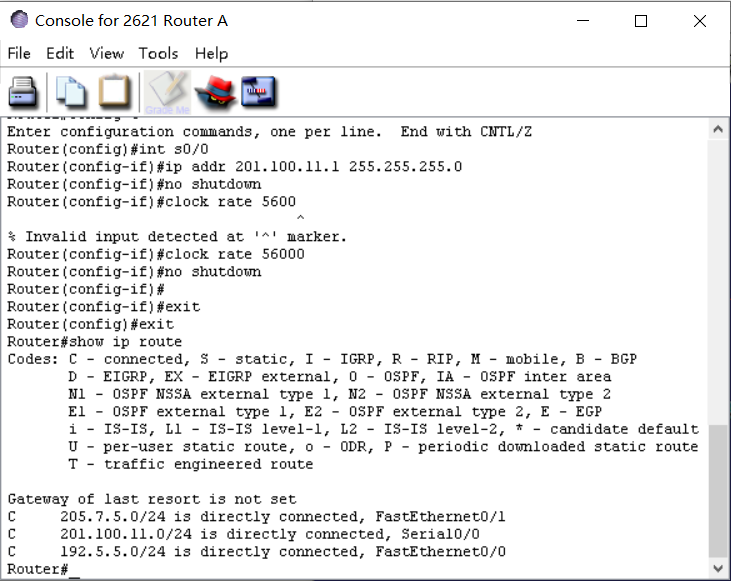
各个配置模式切换

Show controller serial X (Router eSIM不支持，但可从拓扑图看出)

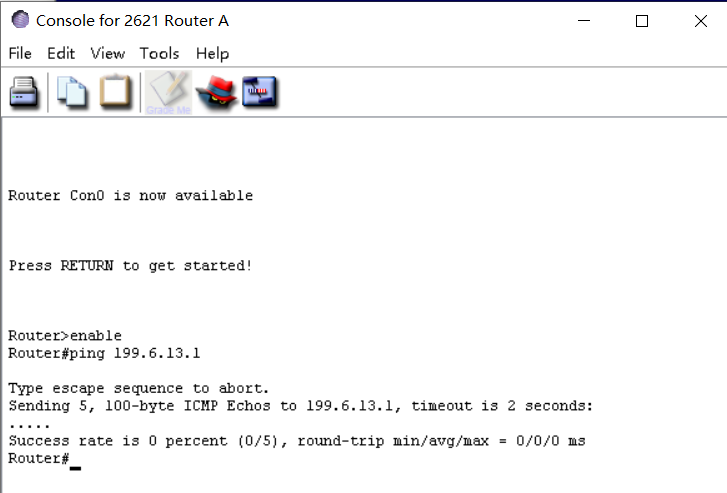
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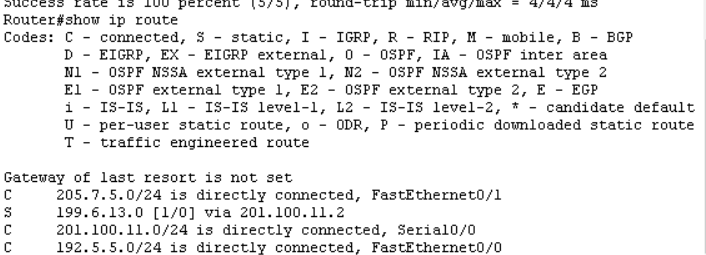


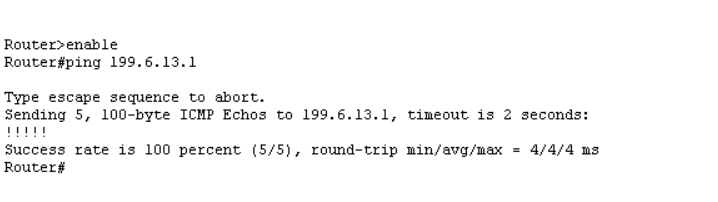
RouteA RouteB



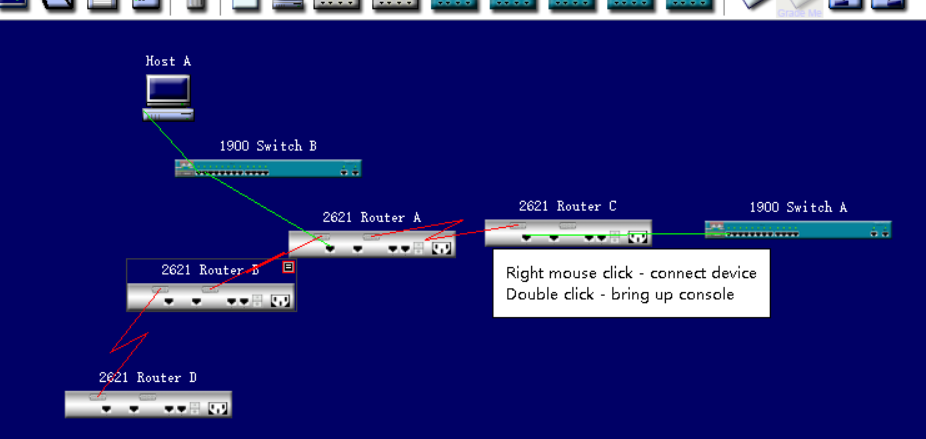
Ping

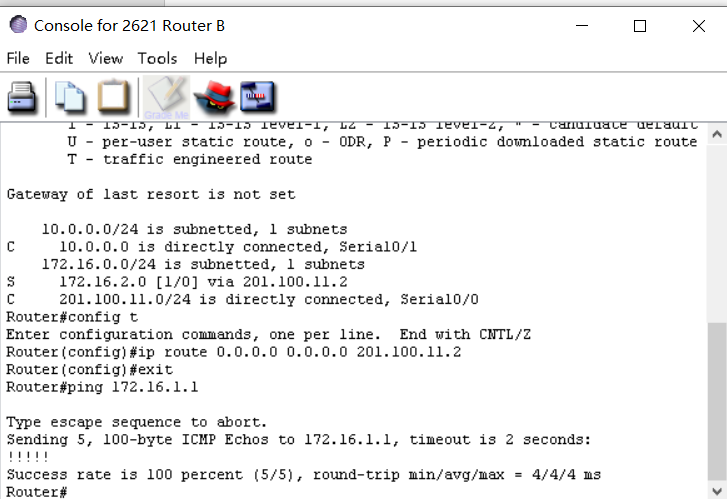


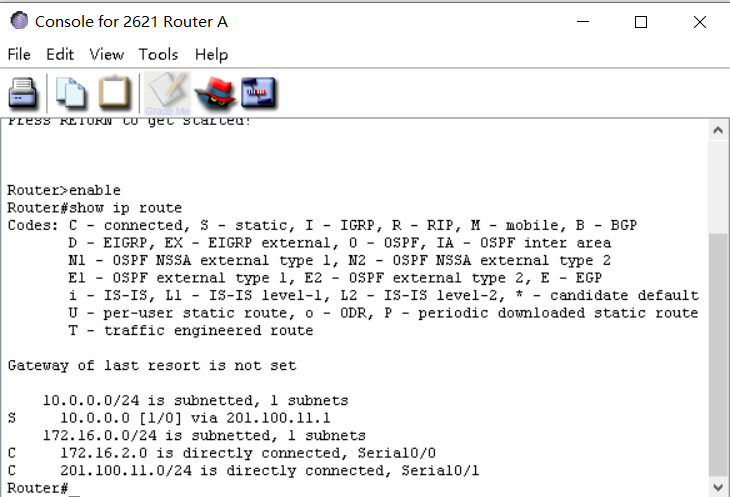


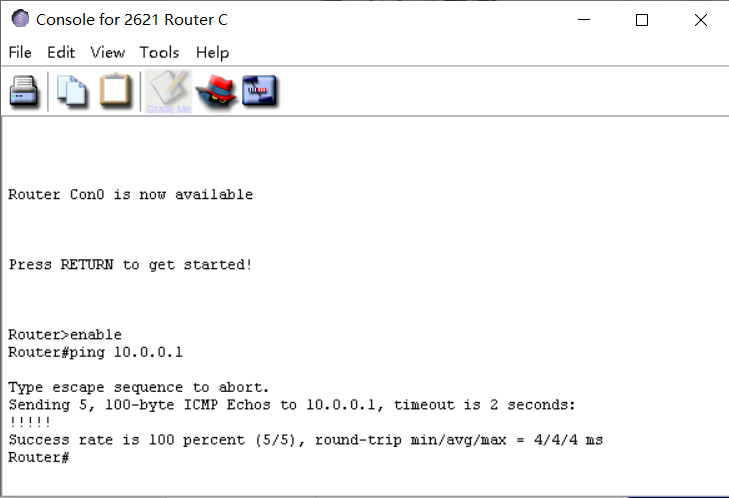


思考题：



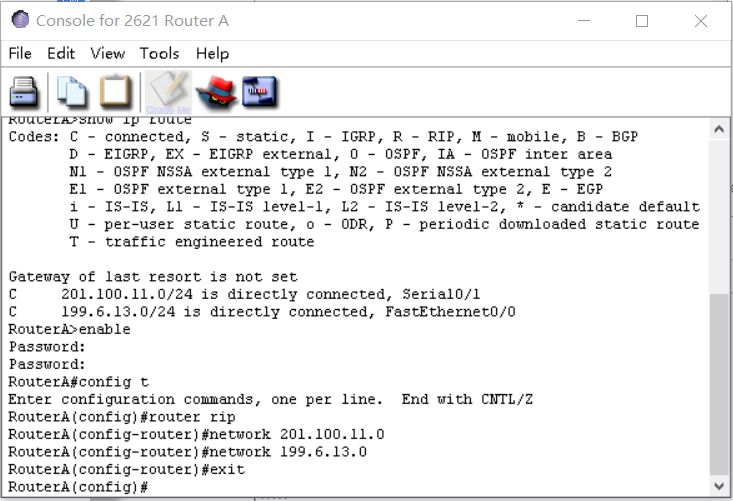
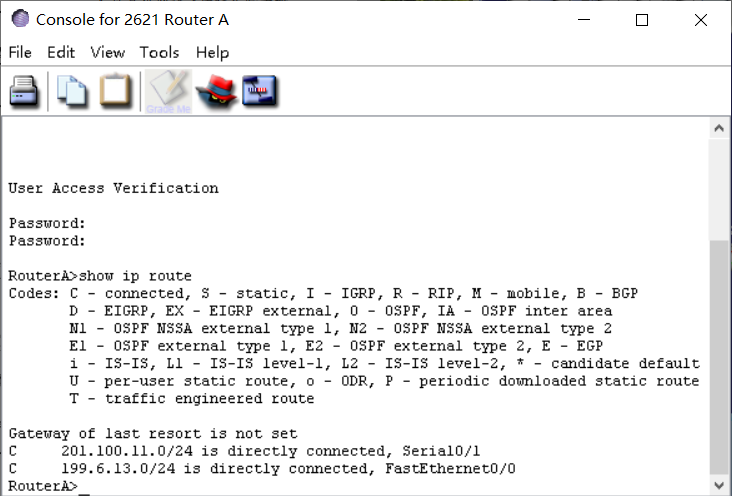


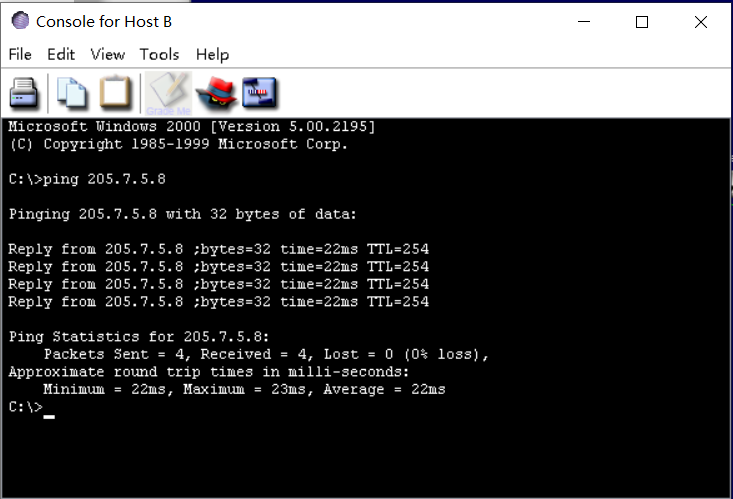


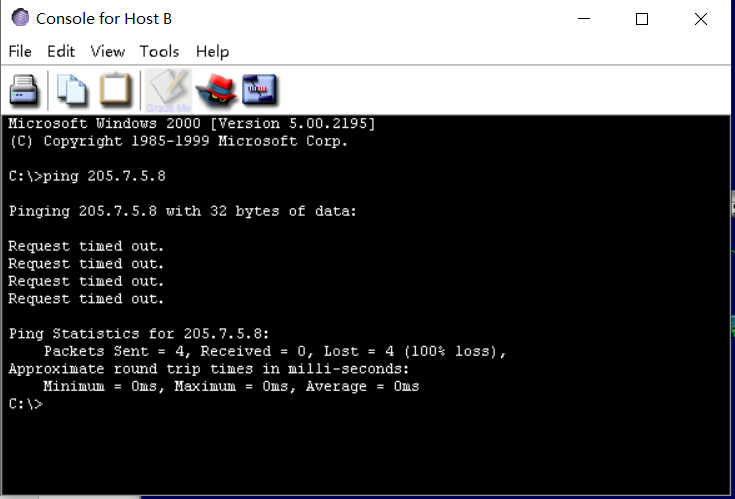
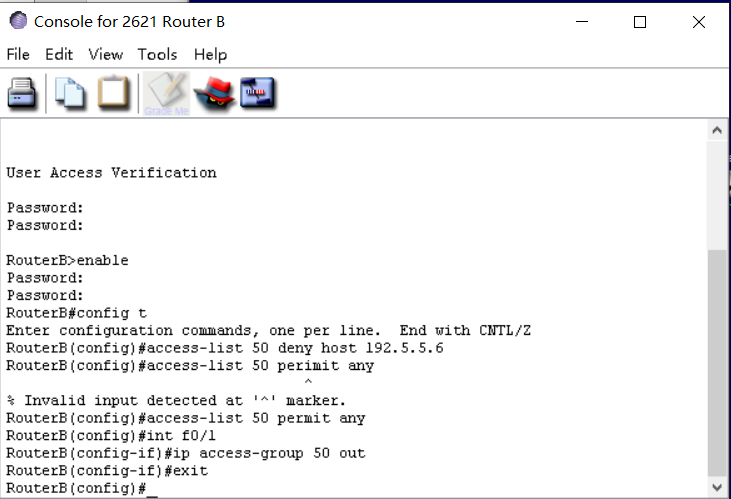


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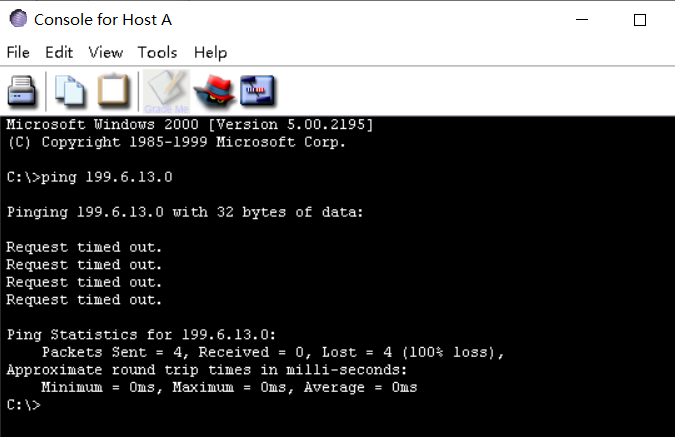
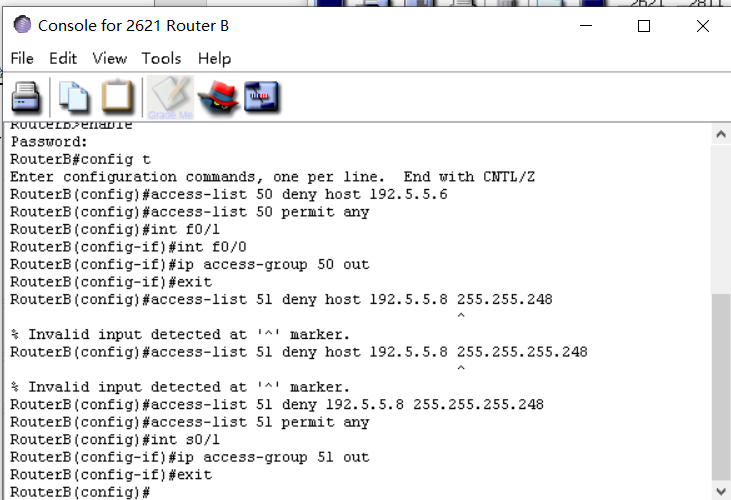
①



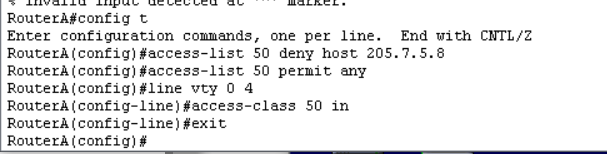


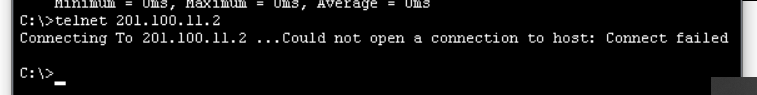


②

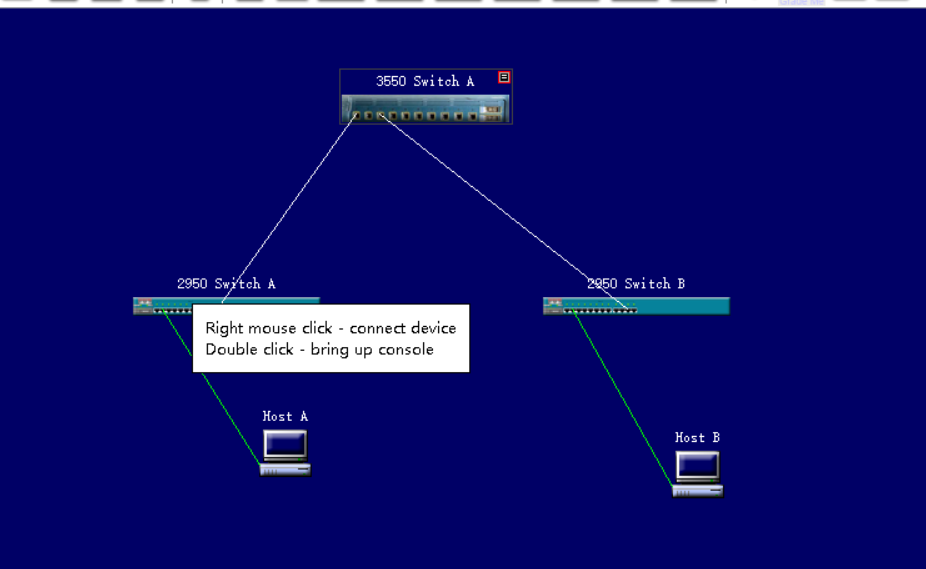


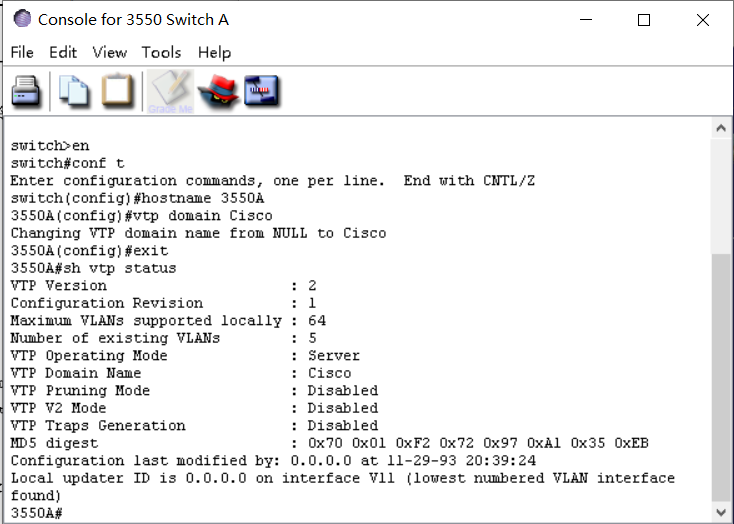
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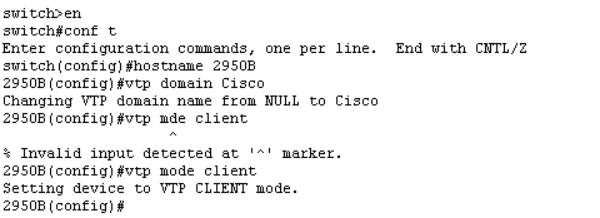
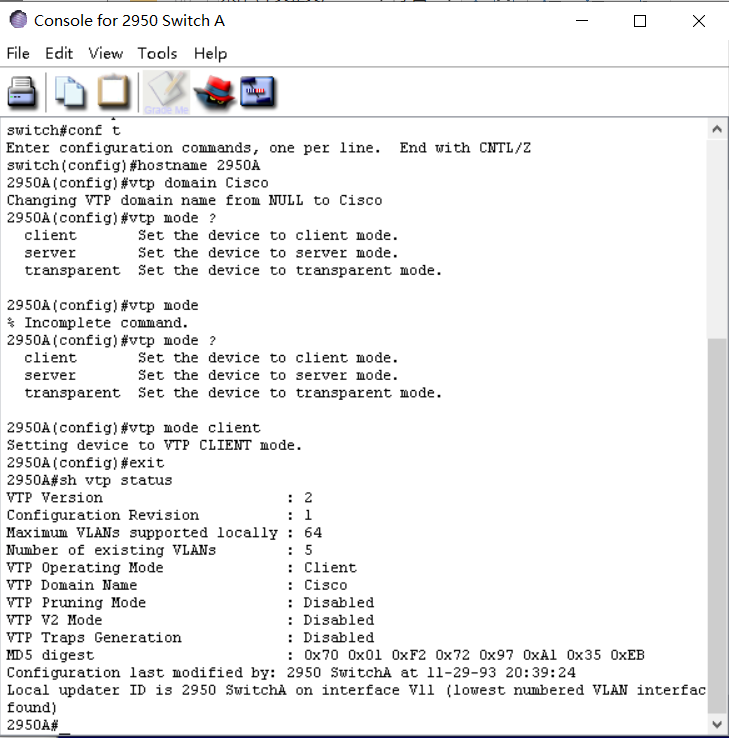


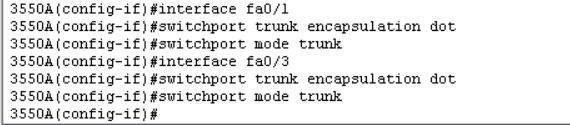


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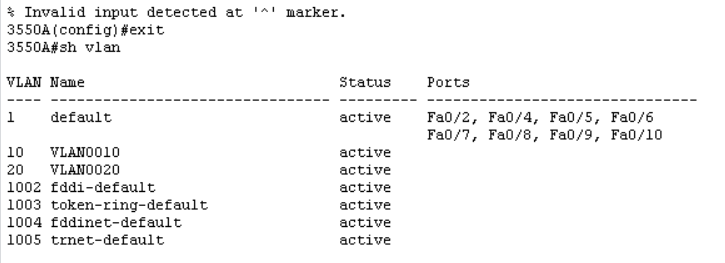


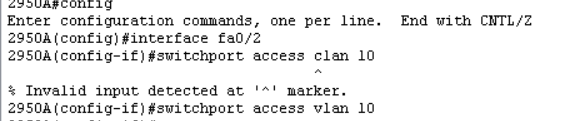


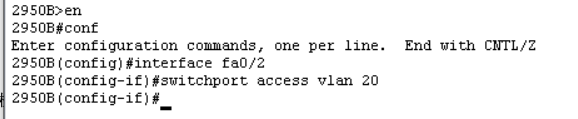


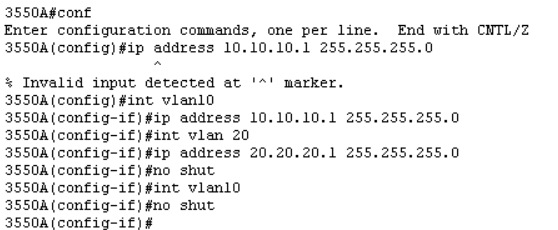




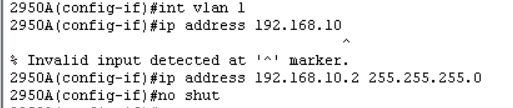




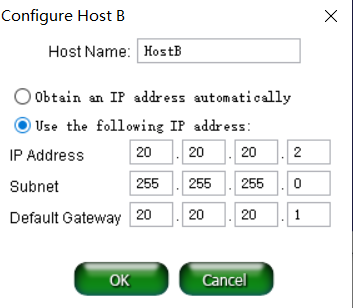
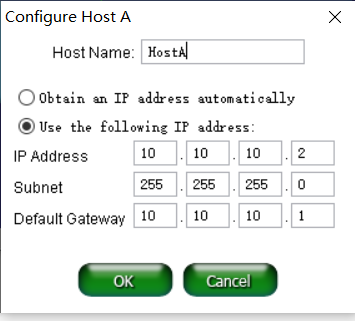


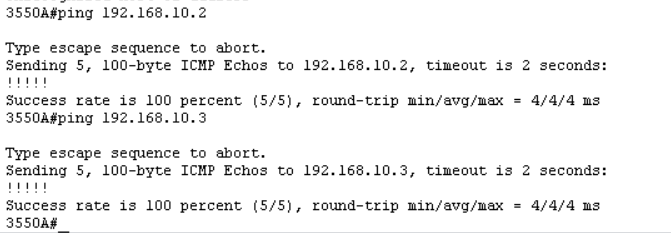


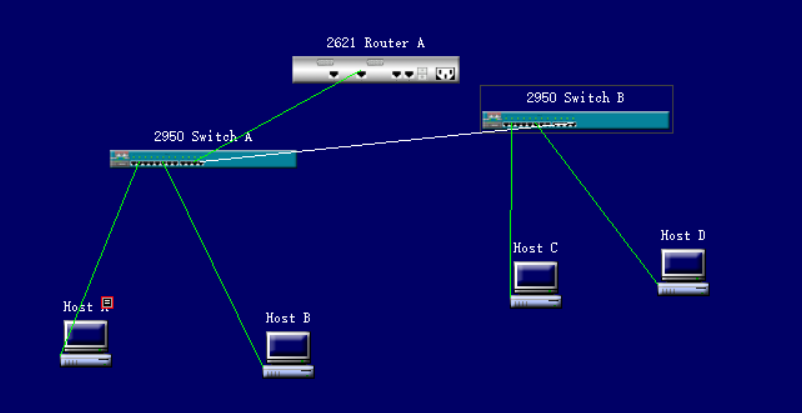
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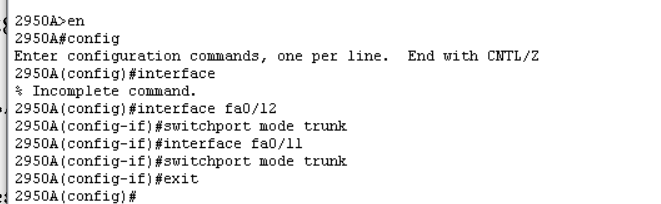


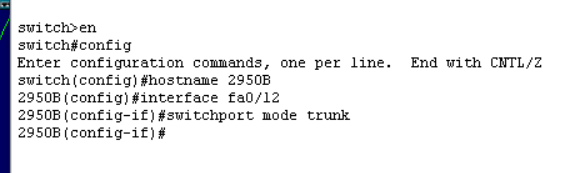




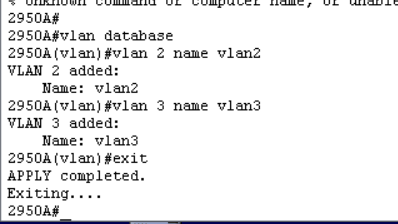


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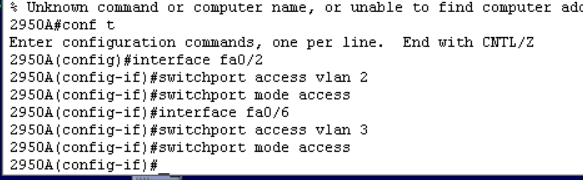


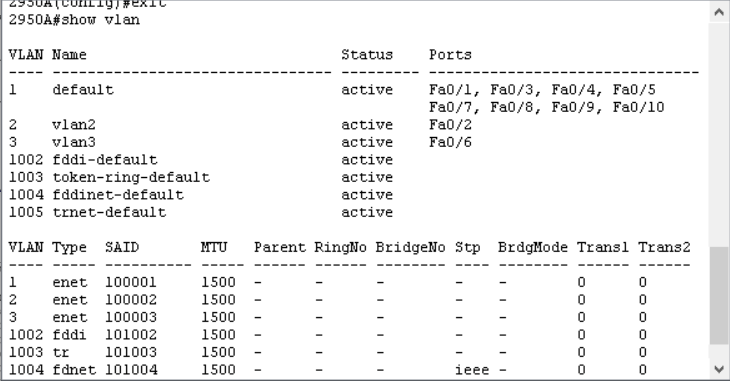


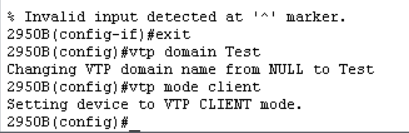
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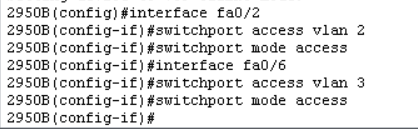


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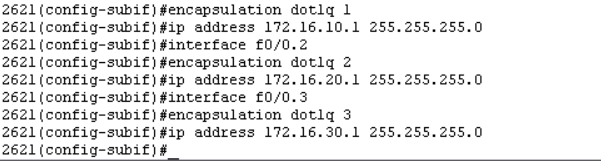




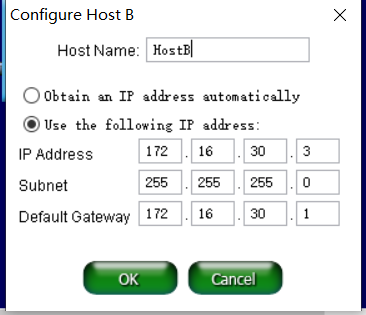




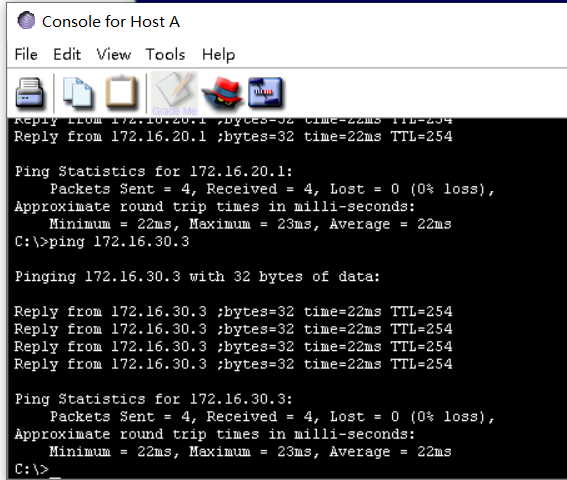
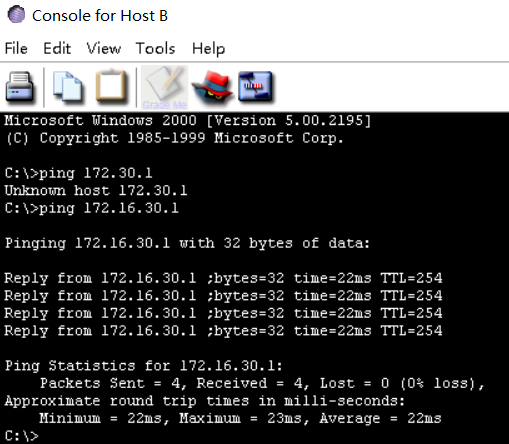
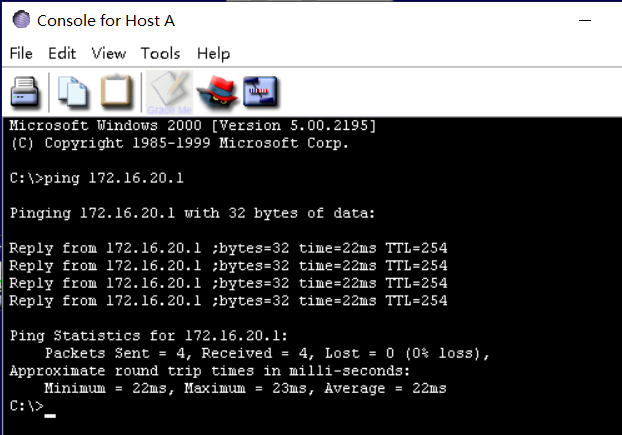
⑤



⑥



⑦



# 实验总结

学会了基础的配置路由方法，更加了解了路由器下一跳。