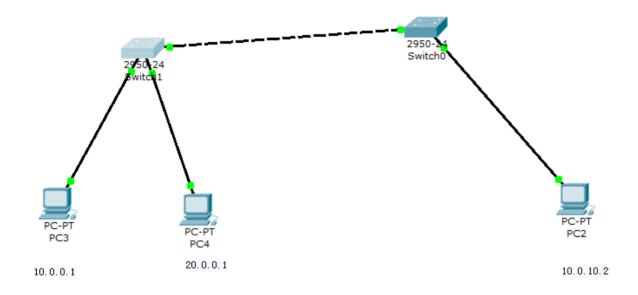
网络实验3

设备

- 1.2台交换机
- 2.3台PC
- 3. 网线, 交叉线

拓扑图连接

- 1. 将两台PC用网线连接到左边 switch1 交换机
- 2. 两台PC的 IP 设置为 10.0.0.1 和 20.0.0.1 掩码为: 255.0.0.0
- 3. 剩下的PC机与 switch0 用网线连接 IP 设置为 10.0.10.2 掩码为: 255.0.0.0
- 4. 将两台交换机用交叉线连接起来



switch1的配置

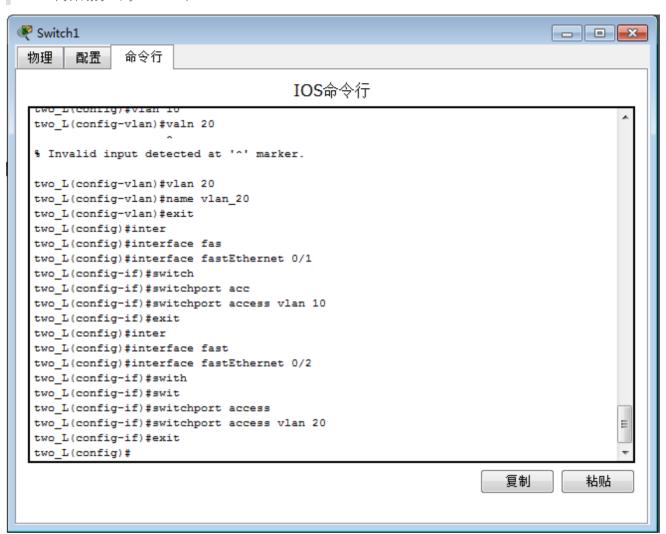
- 1. enable, config 进入全局配置模式
- 2. hostname更改交换机的名字为 two_L
- 3. 划分 **vlan 10, vlan 20**

划分交换机端口

- 1. interface fastEthernet 0/1
- 2. swithort access vlan 10

3. 划分端口 1 到 vlan 10 中

4. 同样划分 2到 vlan 20 中

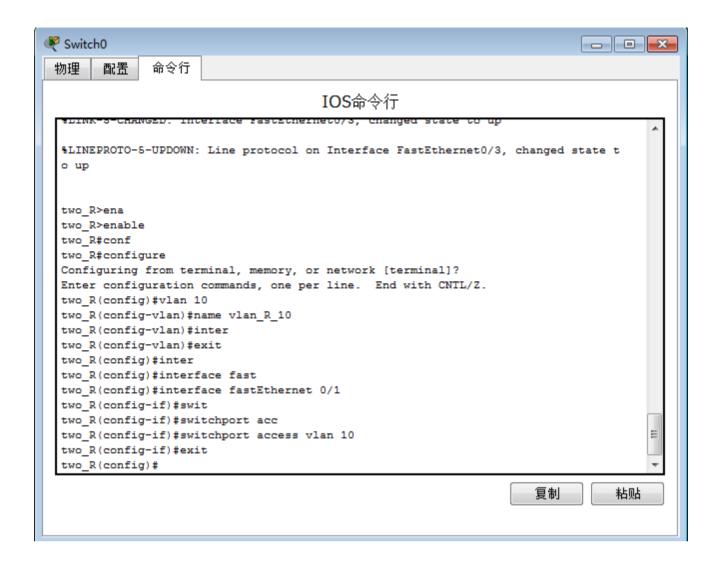


switch0配置

- 1. enable, config 进入全局配置模式
- 2. hostname更改交换机的名字为 two_R
- 3. 划分 vlan 10, vlan 20

划分交换机端口

- 1. interface fastEthernet 0/1
- 2. swithort access vlan 10
- 3. 划分端口 1 到 vlan 10 中



配置trunk

- 1. 在switch1 也就是 交换机 two_L配置 trunk
- 2. 进入config模式

将trunk 划分给端口 3

- 1. interface fastEthernet 0/3
- 2. switchport mode trunk 将端口3分配车给呢trunk
- 3. 同样的方法配置 switch0 交换机

```
two_L(config) # interface fastEthernet 0/3
two_L(config-if) # swit
two_L(config-if) # switchport mod
two_L(config-if) # switchport mode tunk
two_L(config-if) # switchport mode tru
two_L(config-if) # switchport mode trunk

% LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state t
o down

% LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state t
o up

two_L(config-if) # exit
two_L(config-if) # exit
two_L(config) #
```

检验 10.0.0.1 与 10.0.10.2 是否相通

- 1. ping 20.0.0.1 无法相通
- 2. ping 10.0.0.1 相通
- 3. OK!

```
PC2
                                                                          - - X
 物理
       置置
              桌面
 命令提示符
                                                                                  χ
  Packet Tracer PC Command Line 1.0
  PC>ping 20.0.0.1
  Pinging 20.0.0.1 with 32 bytes of data:
  Request timed out.
  Ping statistics for 20.0.0.1:
      Packets: Sent = 2, Received = 0, Lost = 2 (100% loss),
  Control-C
  ^C
  PC>ping 10.0.0.1
  Pinging 10.0.0.1 with 32 bytes of data:
  Reply from 10.0.0.1: bytes=32 time=172ms TTL=128
  Reply from 10.0.0.1: bytes=32 time=93ms TTL=128
  Reply from 10.0.0.1: bytes=32 time=80ms TTL=128
  Reply from 10.0.0.1: bytes=32 time=78ms TTL=128
  Ping statistics for 10.0.0.1:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```