B04902103 資工二 蔡昀達

1.

在 core switch 上查詢 ARP table 得到 140.112.31.254 的 MAC address

目前 switch = core switch

while True:

在目前 switch 上查詢 MAC address table 找該 MAC address 所在 interface

if interface 對面 is end user:

找到了

else if 對面 is switch:

目前 switch = 對面的 switch

3.

a. yes

b. communicating between vlan's within different networks would require a layer 3 device, the network layer where the ip address lives. So what you need to do is either have a rouetr hooked to the switch, with sub interfaces that can route packets to the different vlans, or have a layer 3 switch, which does inter-vlan routing.

c. MayleatEat?