

Assignment 1

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Answer:

Main campus: 15000人, $2^{13} < 15000 < 2^{14}$, 主机地址14位

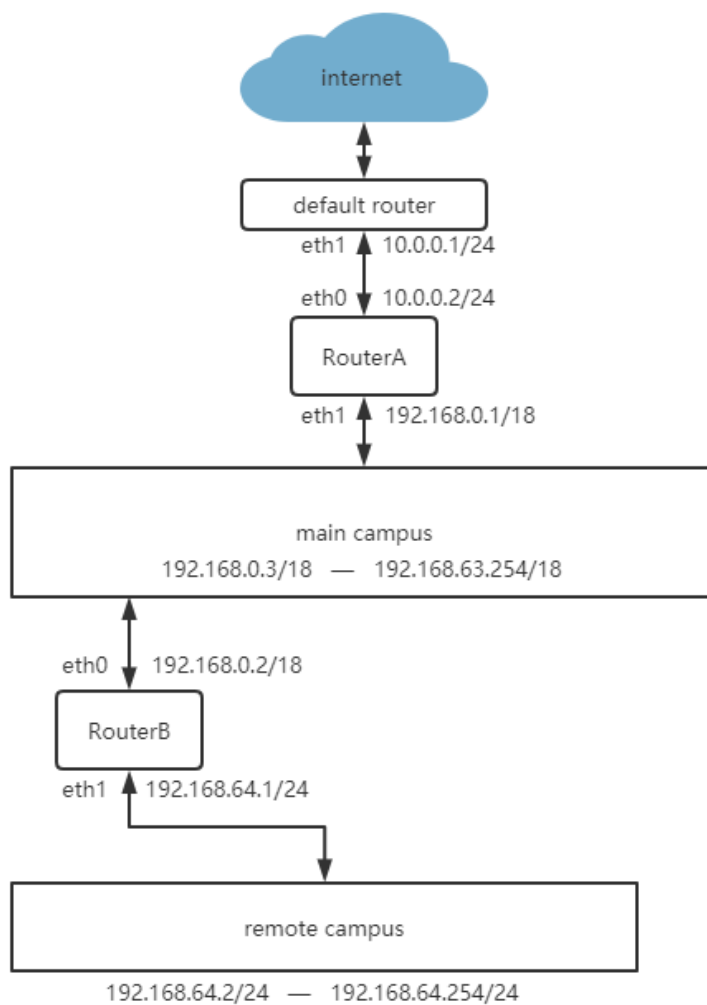
子网范围: 192.168.0.0-192.168.63.255

掩码: 255.255.192.0

Remote campus: 200人, $2^7 < 200 < 2^8$, 主机地址8位

子网范围: 192.168.64.0-192.168.64.255

掩码: 255.255.255.0



routing table of the RouterA:

Destination	Gateway	Genmask	Flags	Iface
127.0.0.1	255.0.0.0	0.0.0.0	U	lo
0.0.0.0	10.0.0.1	0.0.0.0	UG	eth0
0.0.0.0	192.168.0.1	0.0.0.0	UG	eth1
10.0.0.0	10.0.0.1	255.255.255.0	U	eth0
192.168.0.0	0.0.0.0	255.255.192.0	U	eth1
192.168.64.0	192.168.0.2	255.255.255.0	UG	eth1