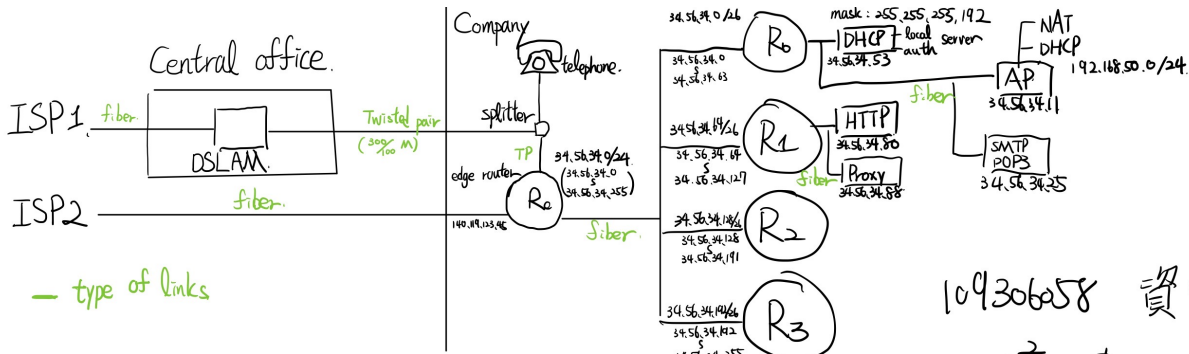


HW 7

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— type of links

(1) Routing table of R0

Destination	Address Range
00100100	00111000 00100100 00*****
"	" " " 01*****
"	" " " 10*****
"	" " " 11*****

Link interface

0
1
2
3

(2) DNS.

because www.net.com is not the company's domain name, the DNS in company's role is client

(www.net.com, 87.87.87.87, A, 87)

tracert 3,
沒有真的 IP

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Q2.

① 首先, 假如 mask 是 /22

ie. 11111111 11111111 11111100 00000000

而 10.10.10.0 1x = 進位表示為

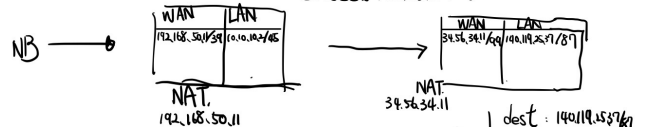
00001010 00001010 00010100 00000000

這個地方卡到 host,

因此把題目改為 /24

dest: 140.119.25.37/87
source: 10.10.10.2/45

dest: 140.119.25.37/87
source: 192.168.50.11/31



② Total public IP AP 2AP's private IP new AP
 $2^8 - 1 + 2^8 \times 2^8 - 1$
 $= 2^8(2^8 + 1) - 2$
 $= 65790 \#$