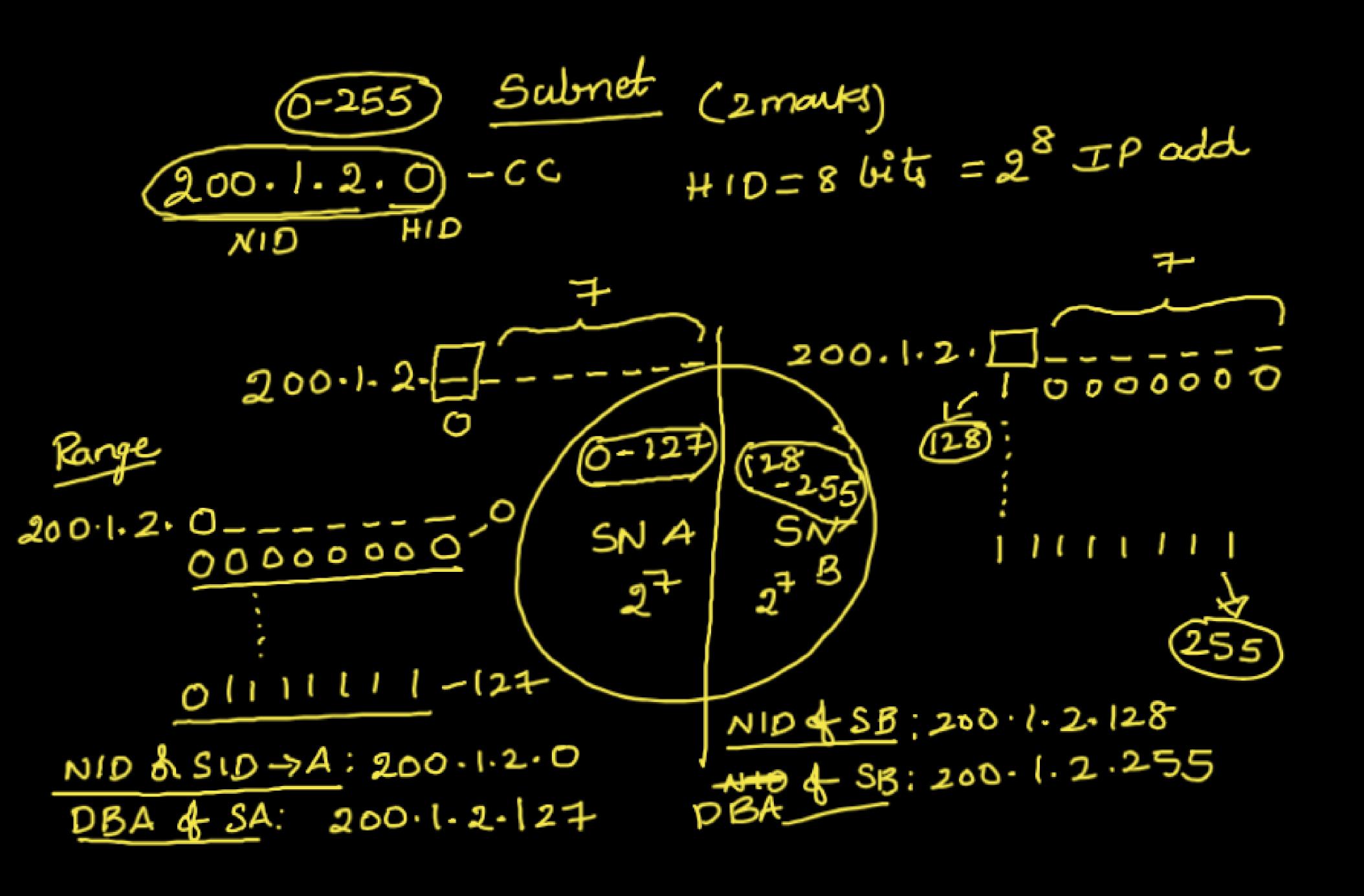
CA 
$$(0)$$
  $(1-126)$   
CB  $(128-191)$   
CC  $(192-223)$   
CD  $(224-239)$   
CE  $(240-255)$ 



NID & SID & BID = I IP

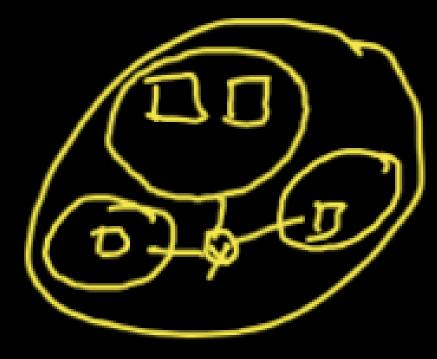
DBA & any N/W = Last IP

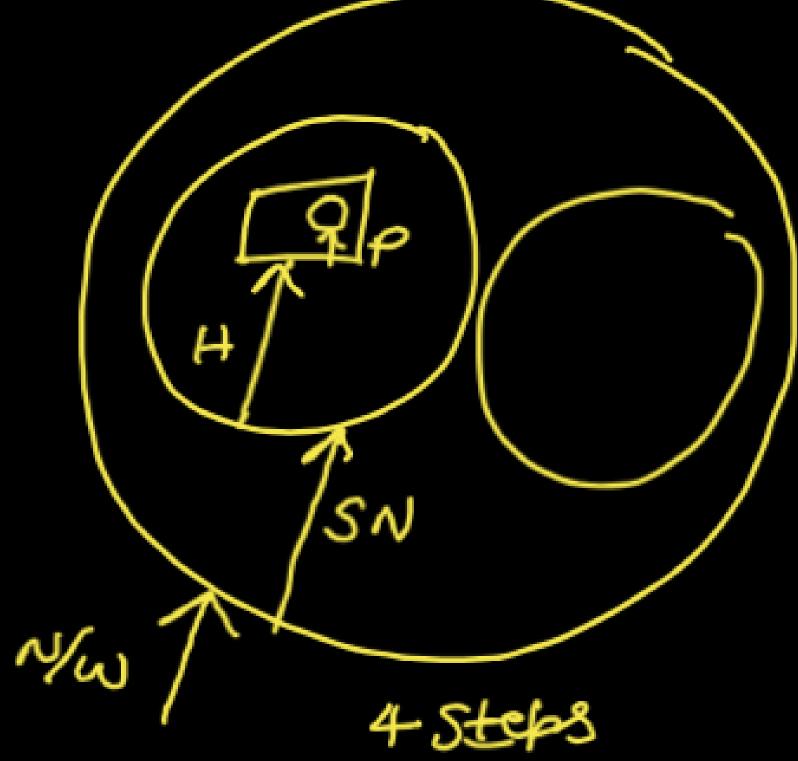
why subnetting:

-> maintenance cary

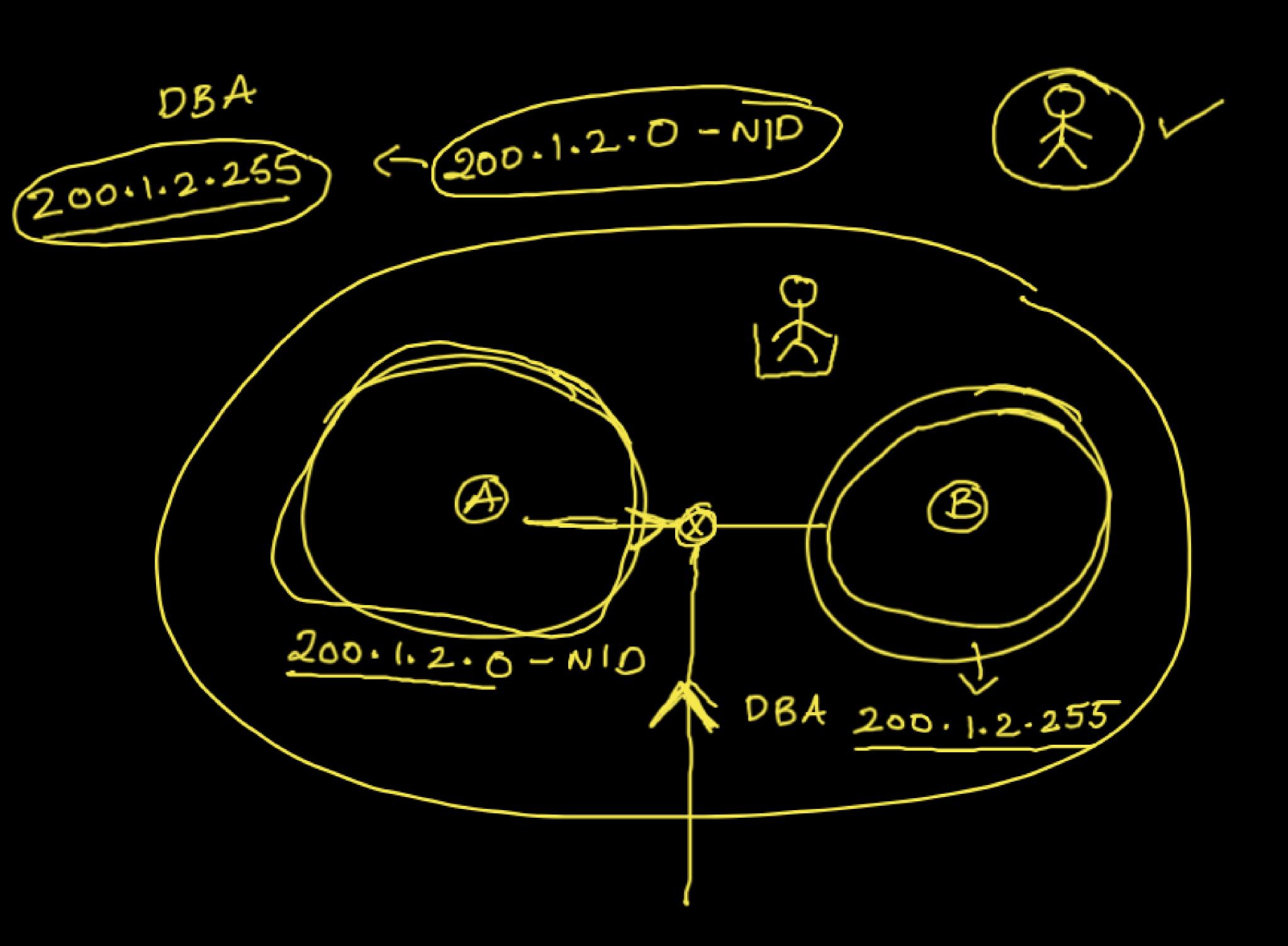
-> security

R R R





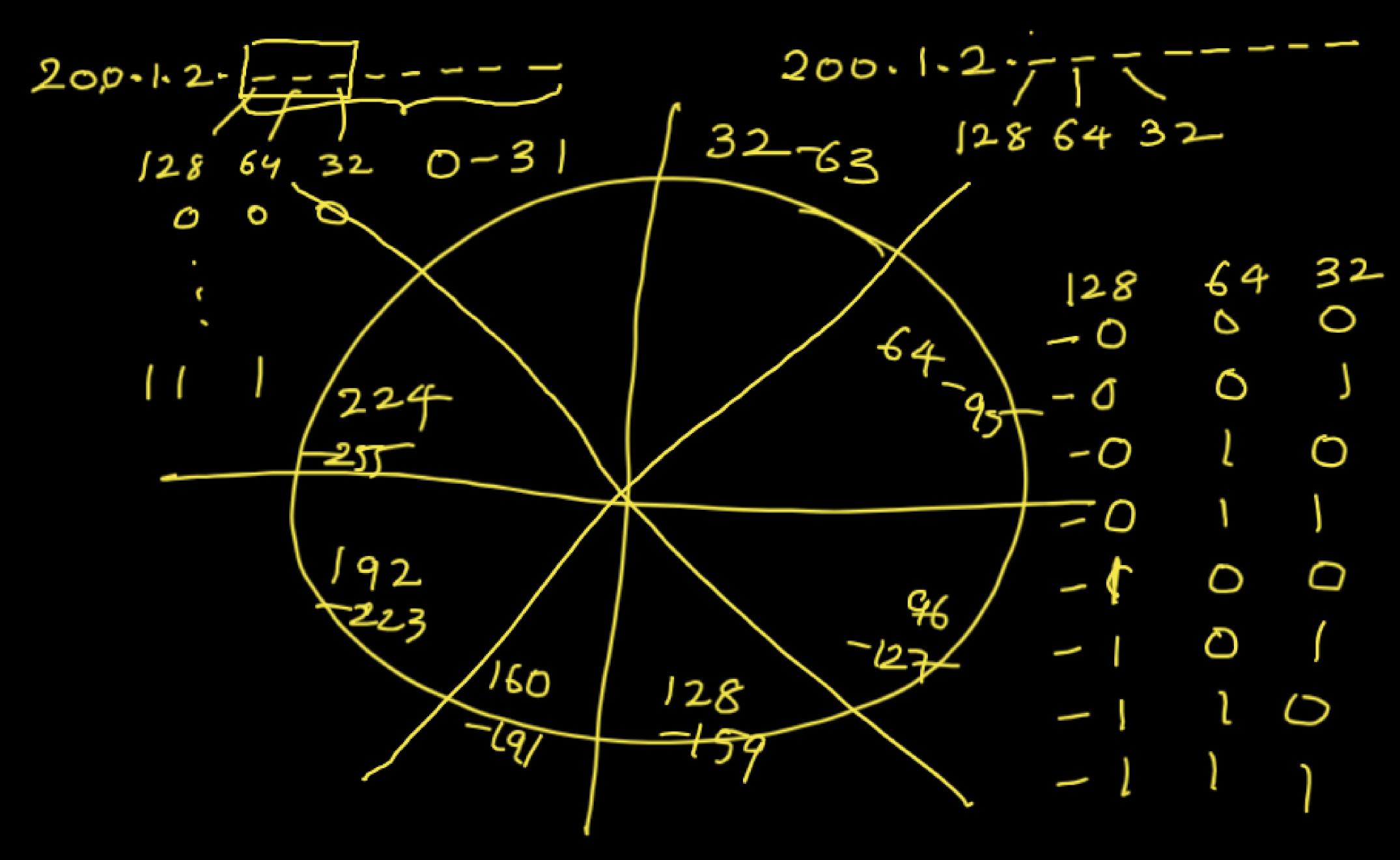
Countage & IPS  $200.1.2.0 \rightarrow Hosts$  4 = 252 28-4 = 252 28-4 = 252 28-4 = 252

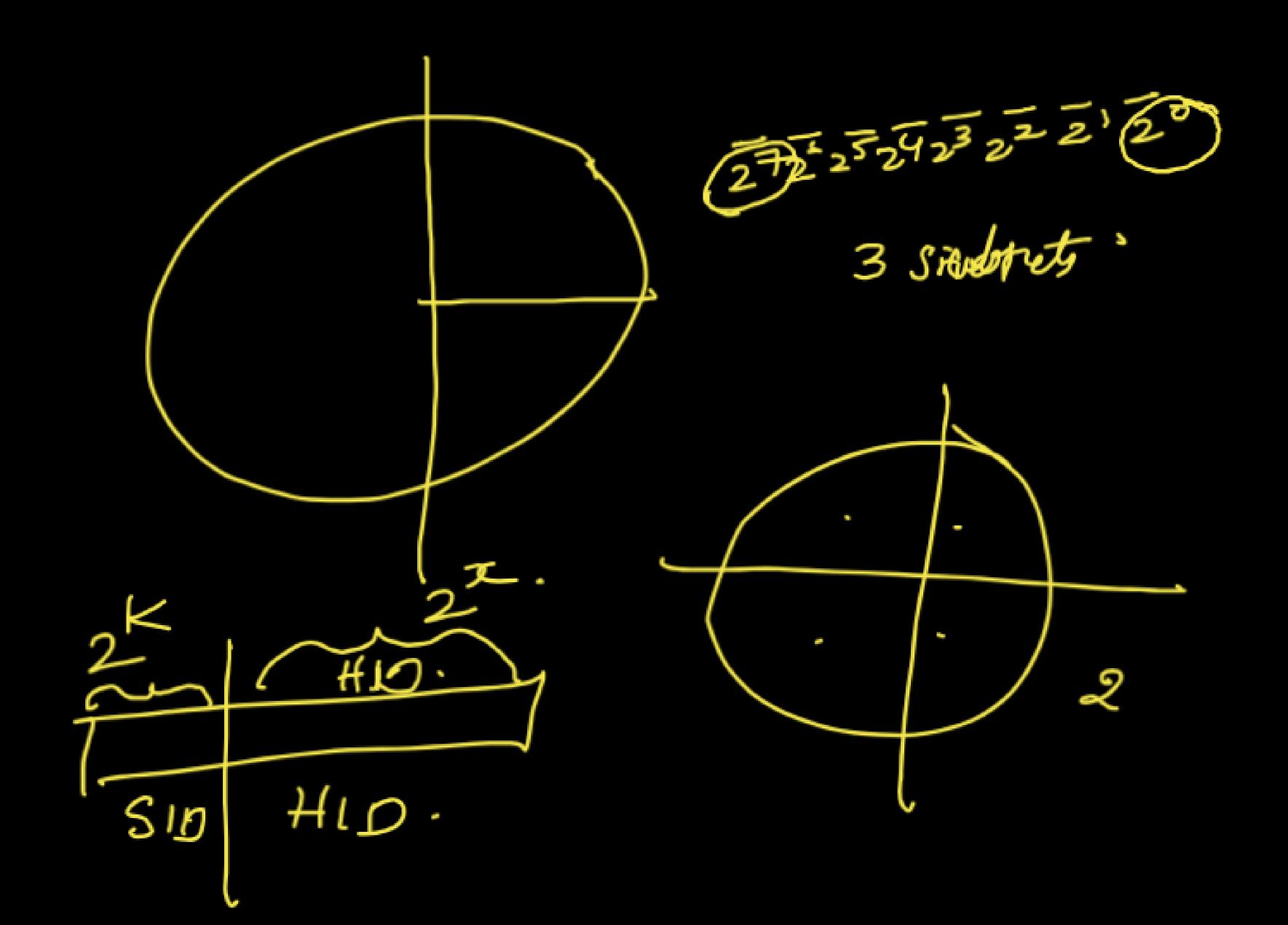


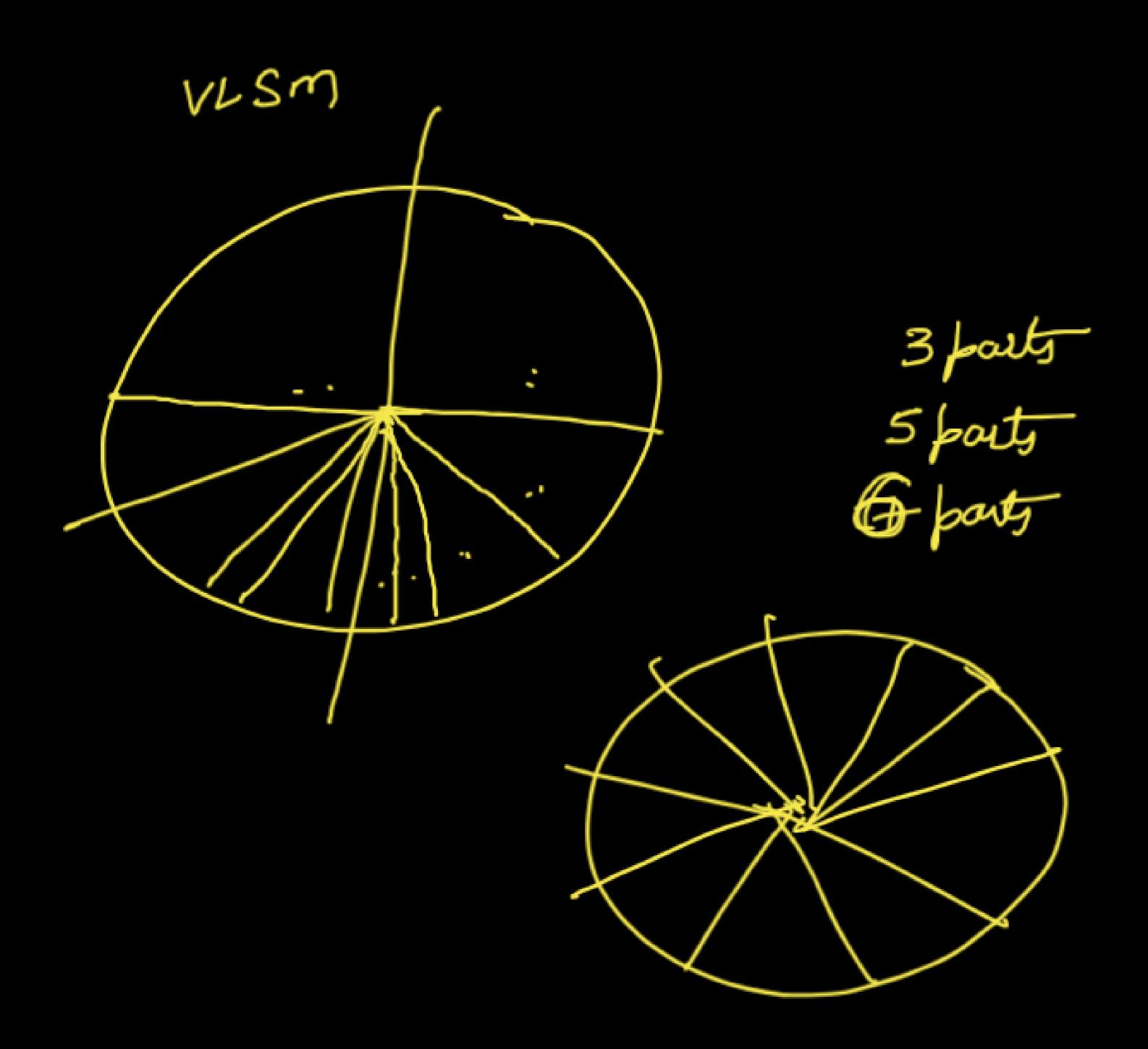
130.1.1111111111111

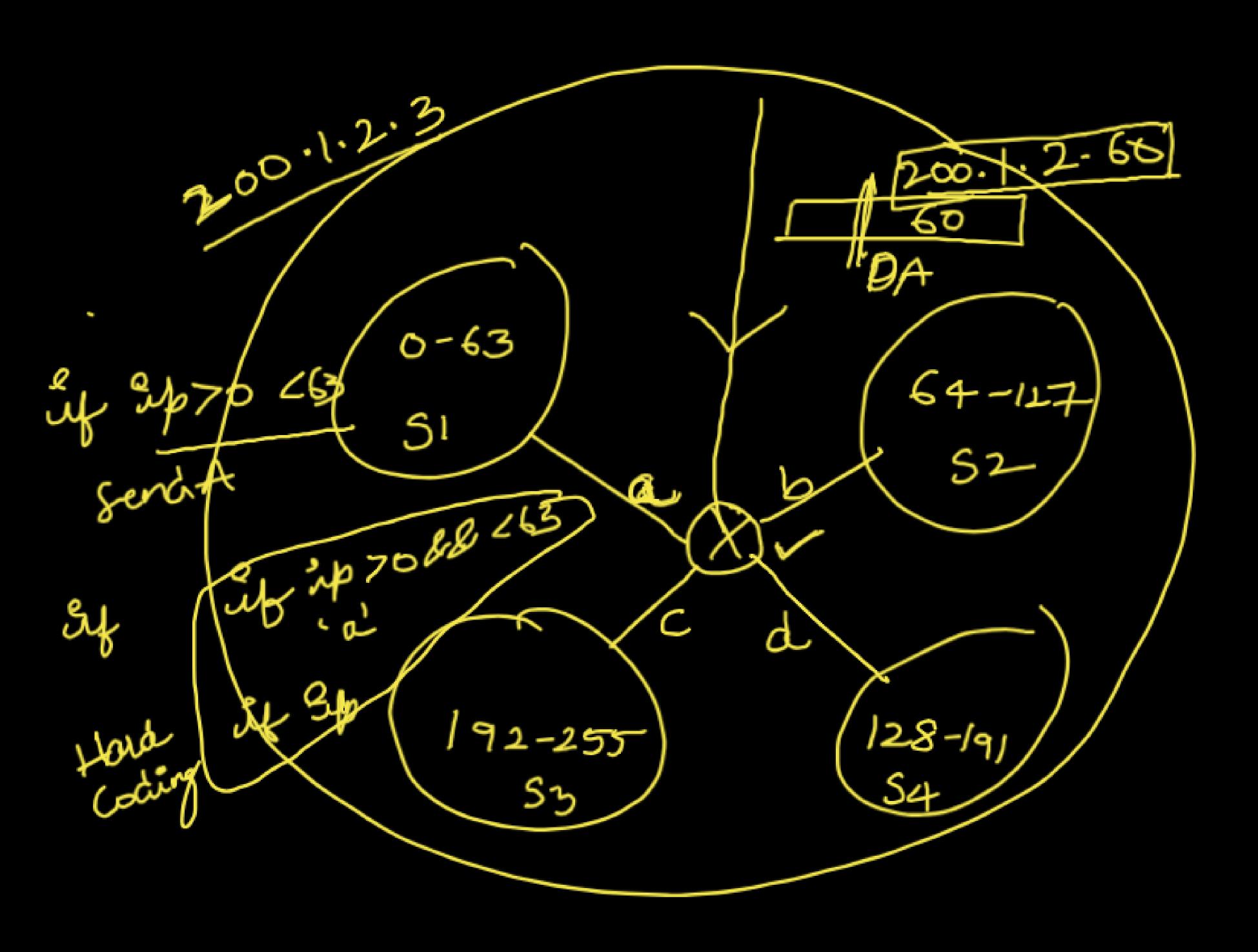
TSN: 100.0.0.0.0 100.127.255.255 T SN: 100.128.0.0 100.255.255-255

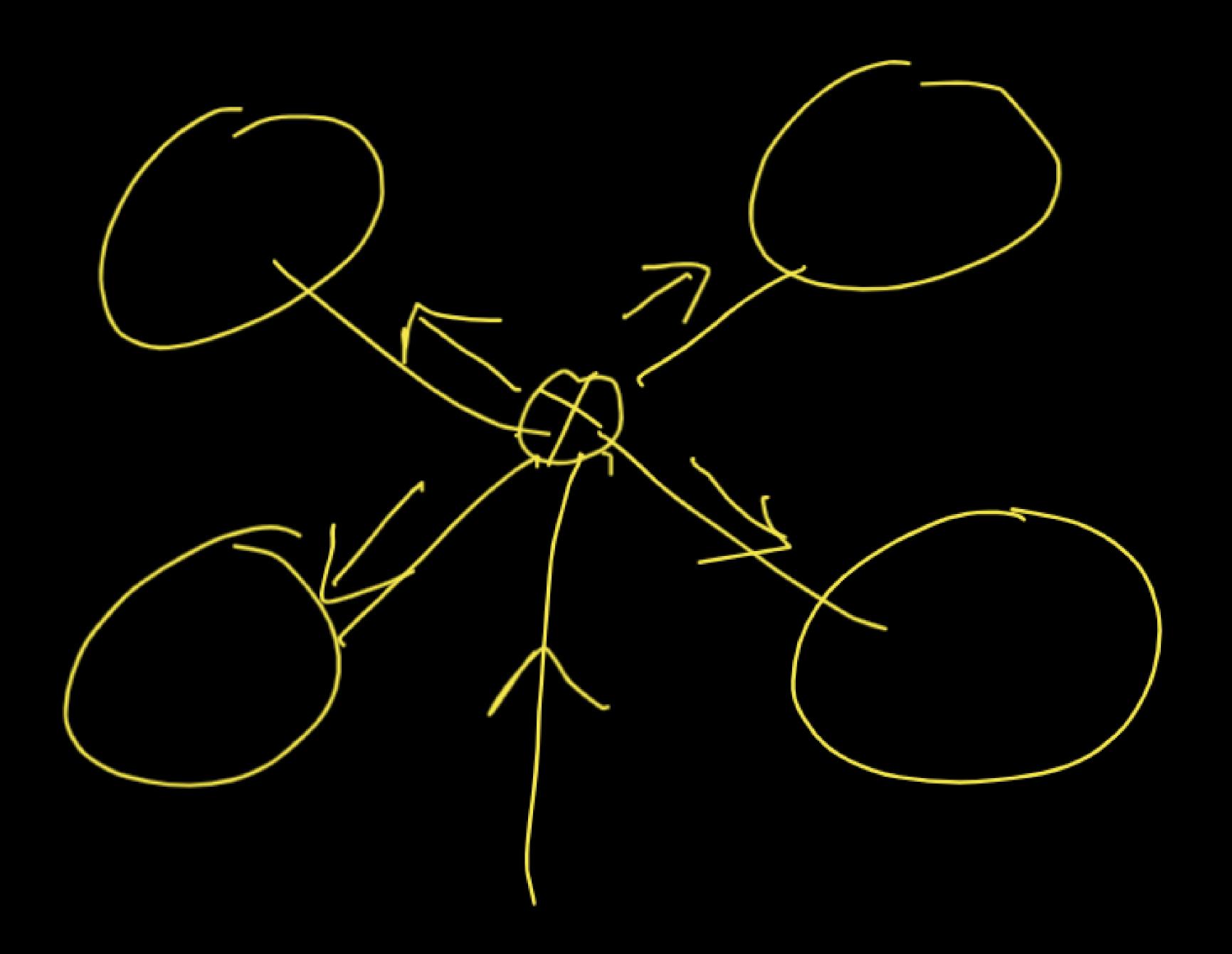
100. 0. 0. 0 NID HID.











## Subnet mark:

5 min Bleak.

8:04 - 8:10

CO
CN
PB
Ago
PS
Hand written
Note > uplead
tombles

Default SM for CB->
255.255.0.0.

Default SM for CC

275.255.255.0

SM for CD->? X NED X HID.

Sm & CE = ??

## 200.1.2.0 -> CC -> 2 SNS

5m:

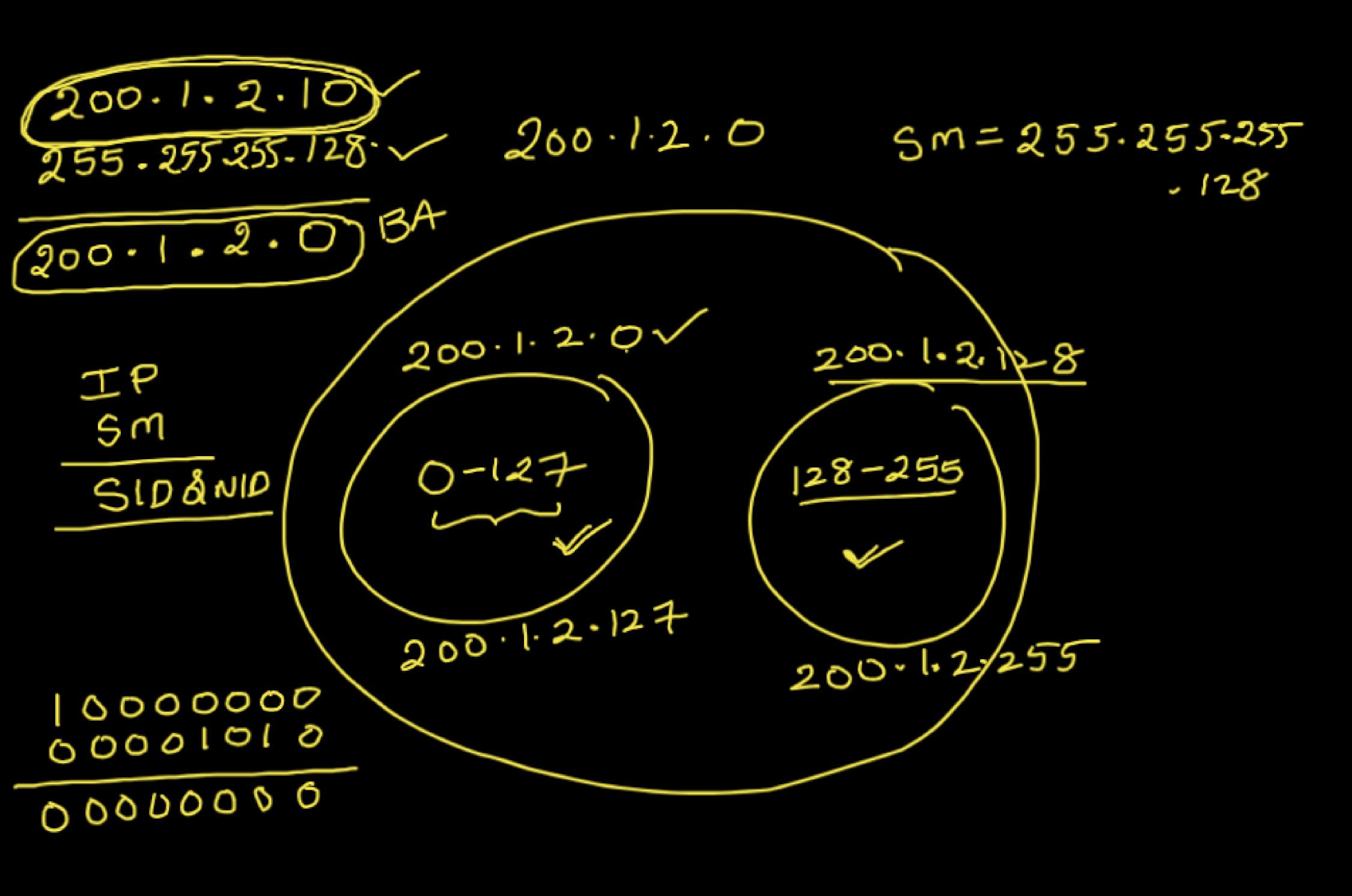
1'S

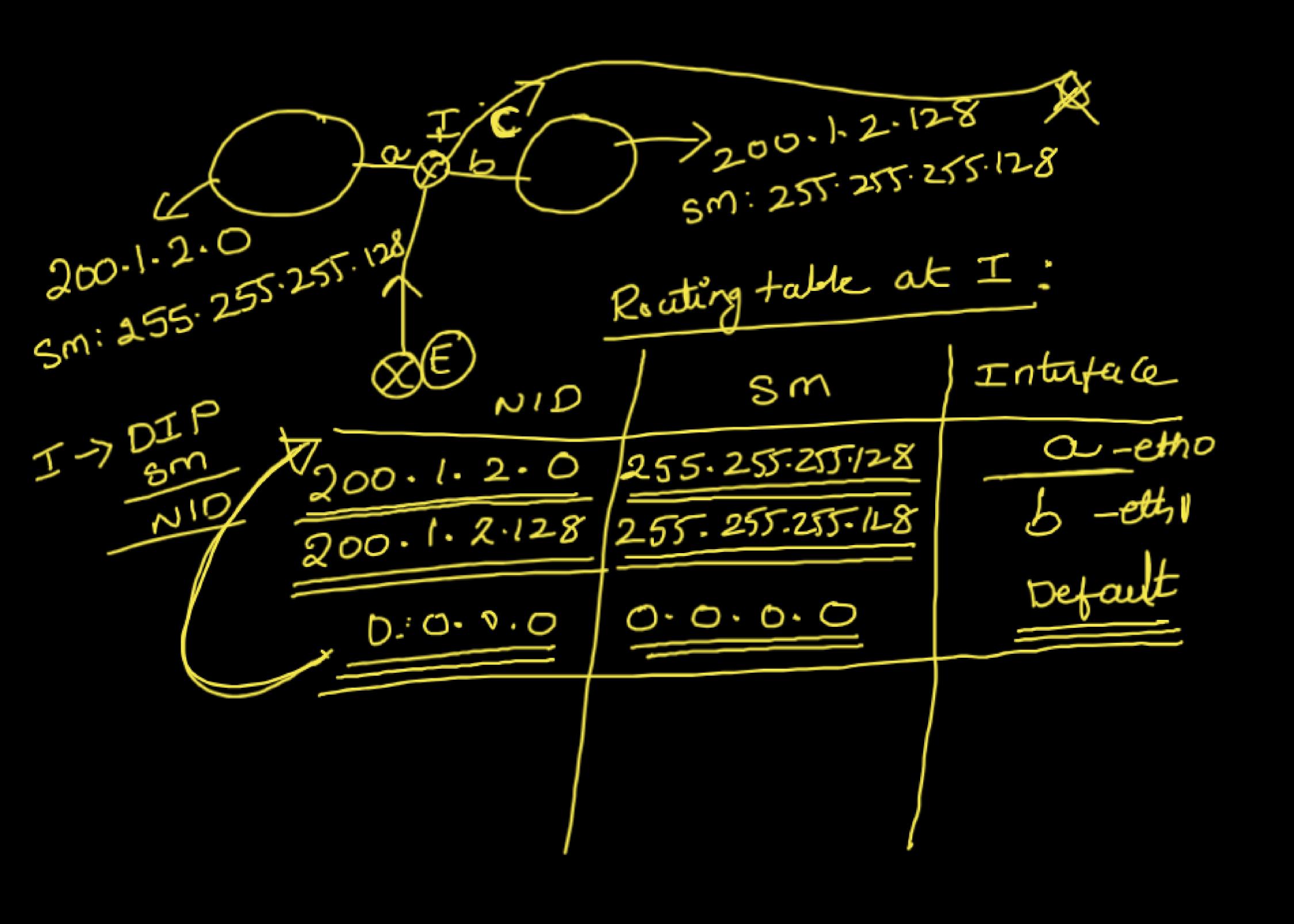
NID.

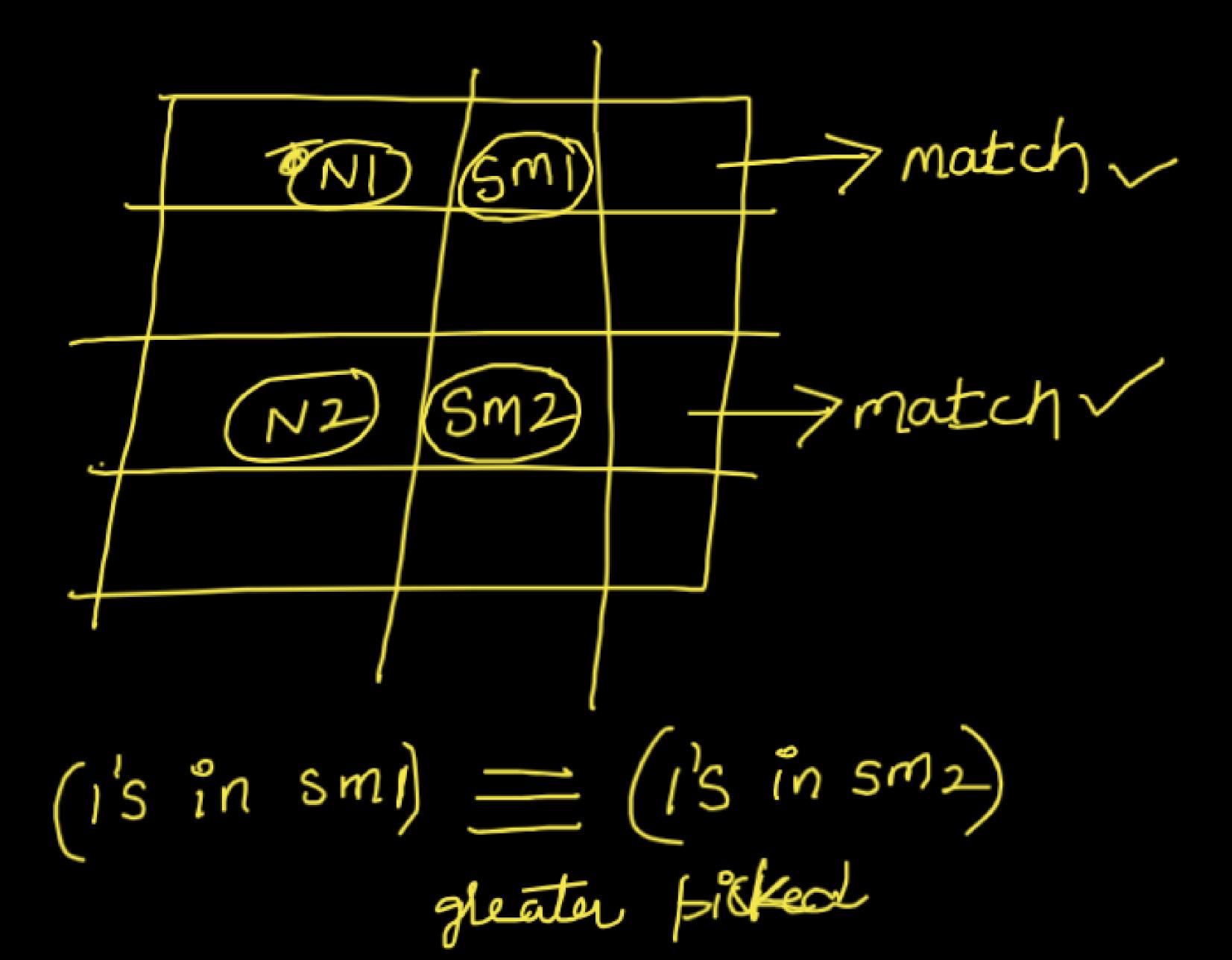
255. 255. 255. 198

Following lits

HIP







VLSM > validle length subnet marking

Same 7 SM

200.1.2.2

0

1 0

128-191

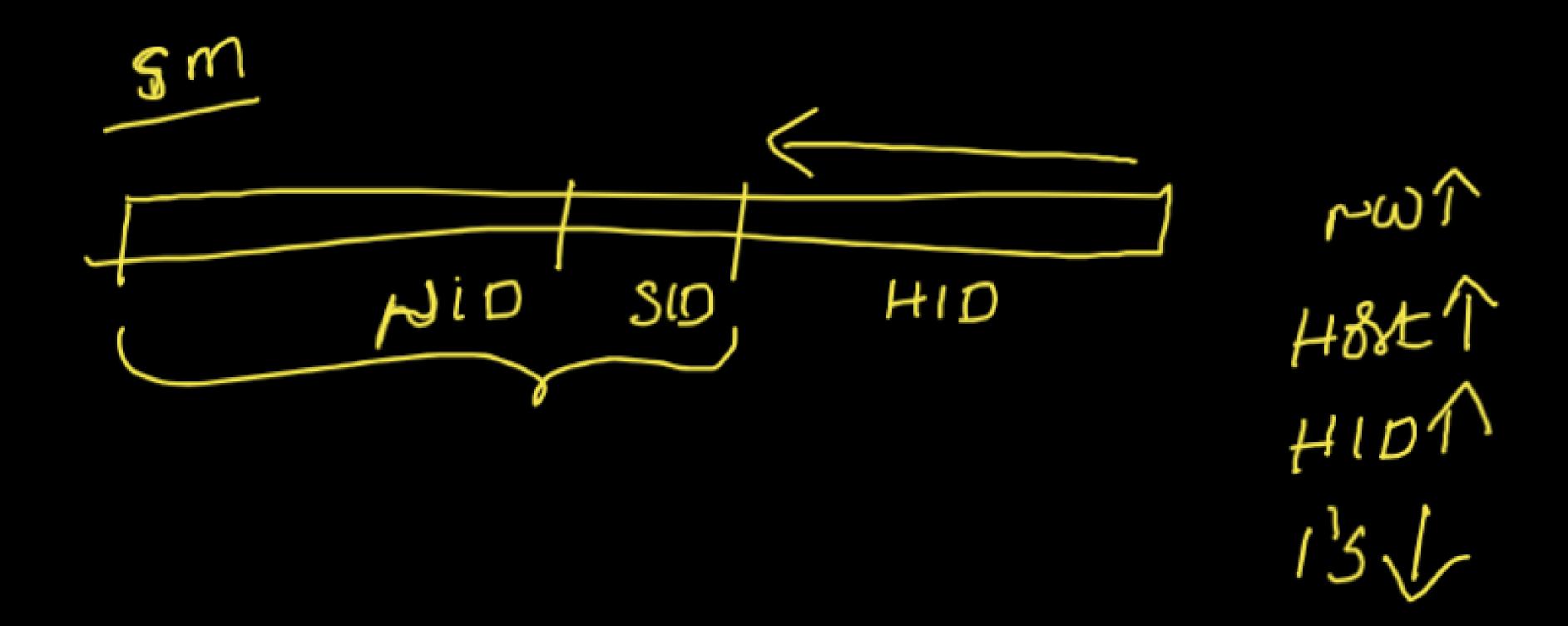
510=2 255.255.255.192

510=2 192-255

510=2 192-255

510=2 192-255

510=2 192-255



NID	519	Irtifa	e	
7	Sm	a		
り	SM SM	6		
7	SM			

 $\begin{pmatrix}
10000000 - 128 \\
1100000 - 192 \\
1110000 - 224 \\
1111111000 - 240 \\
1111111100 - 252 \\
1111111111 - 255$ 

100.1.2.3 EA)

Sm: 255.255.0.0

NID = 8 bits

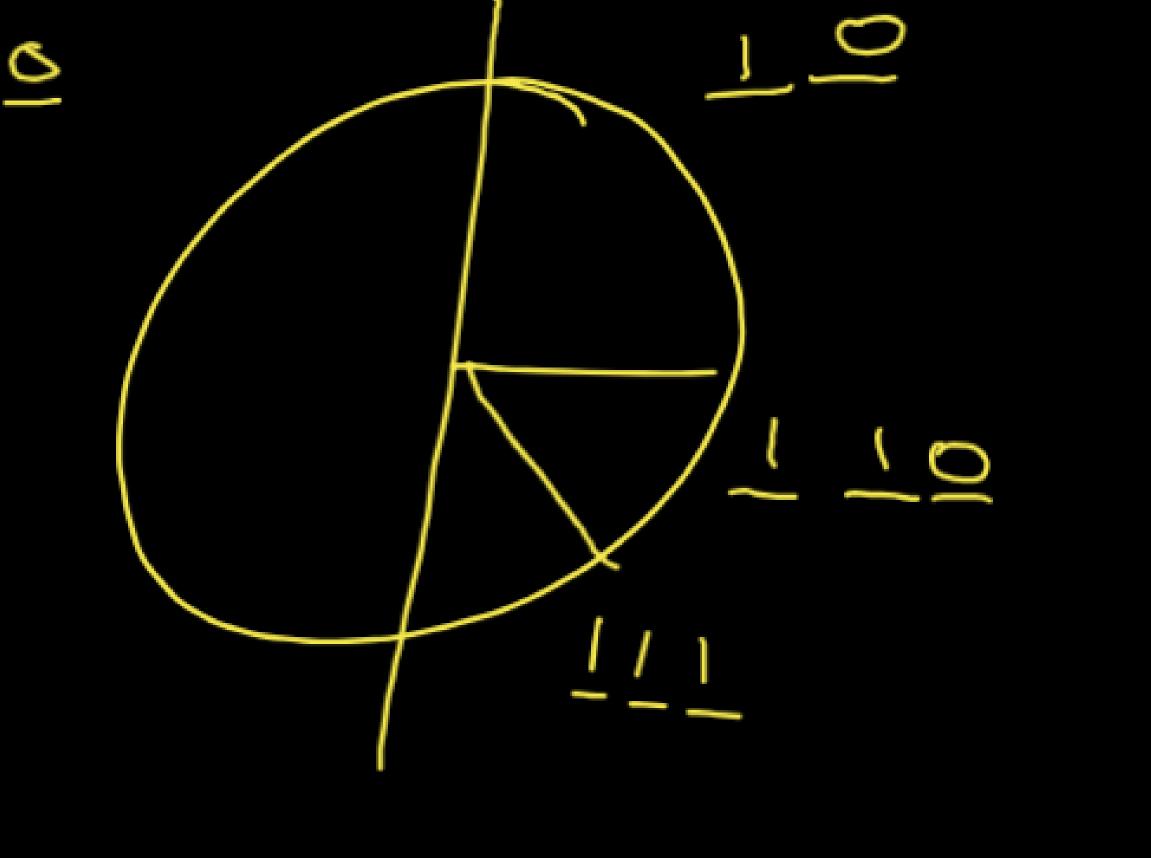
1'S SM = 16

16 = NID + HDSID

16 = 8 + SIB

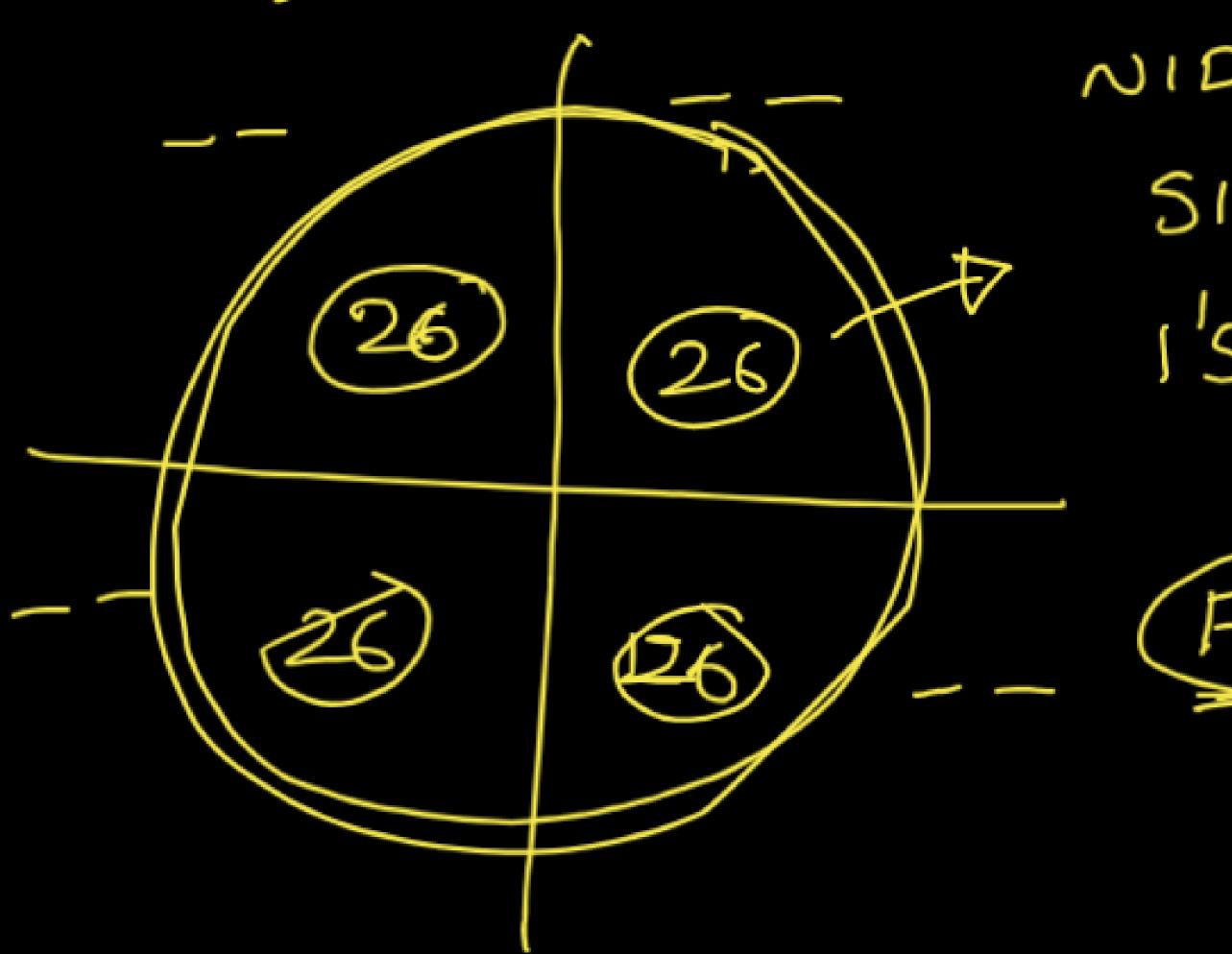
SID = 8

SN = 29 = 256



VLSM -> N/W Sizer -dufferent Sm Sizers are diff

200.12.0



$$NID = 24$$
 $SID = 2$ 
 $1/5 = 26$