

7821081179



IP address

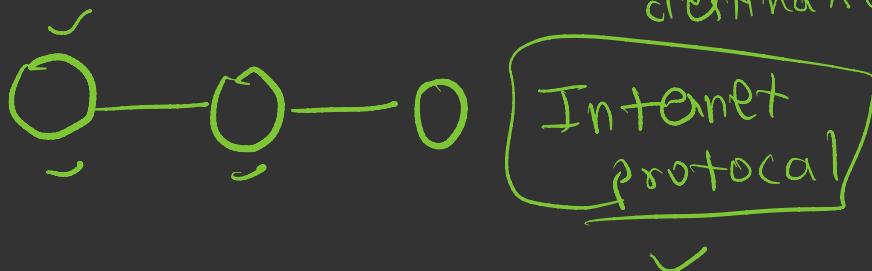
Europe



America

size ↕

D D D D D



LOGIN

1969

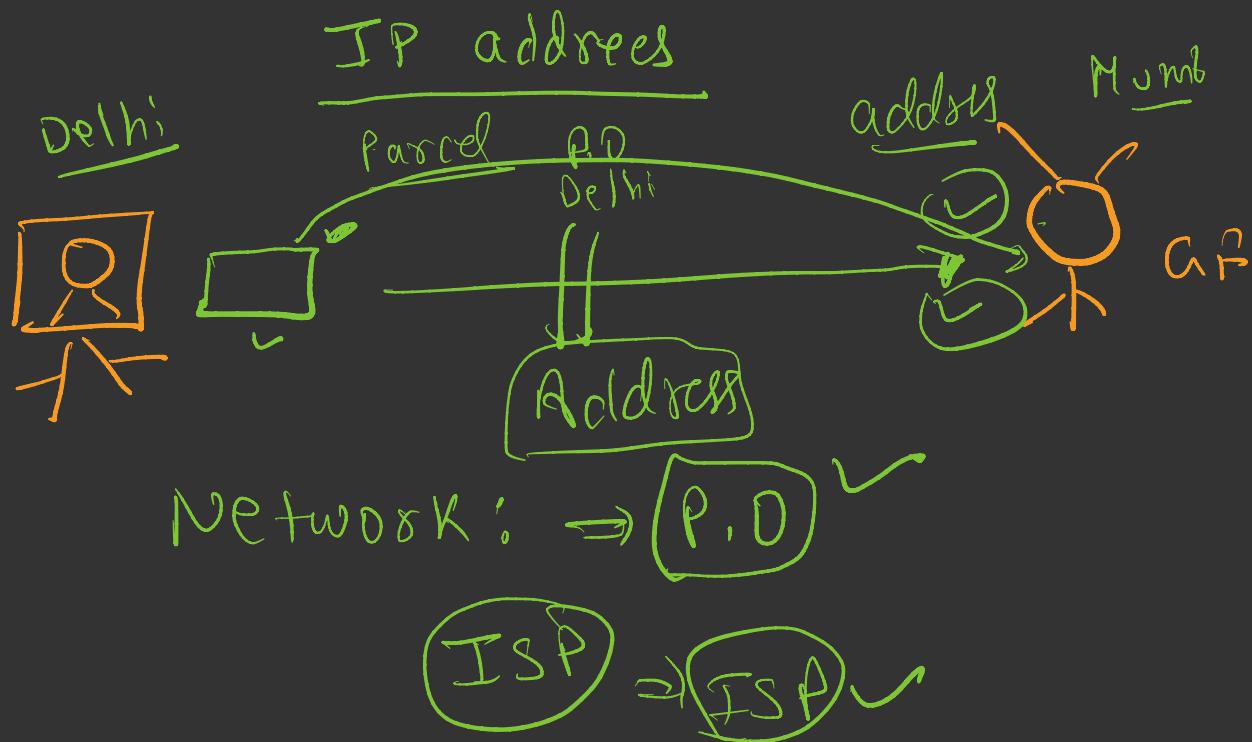
TCP IP

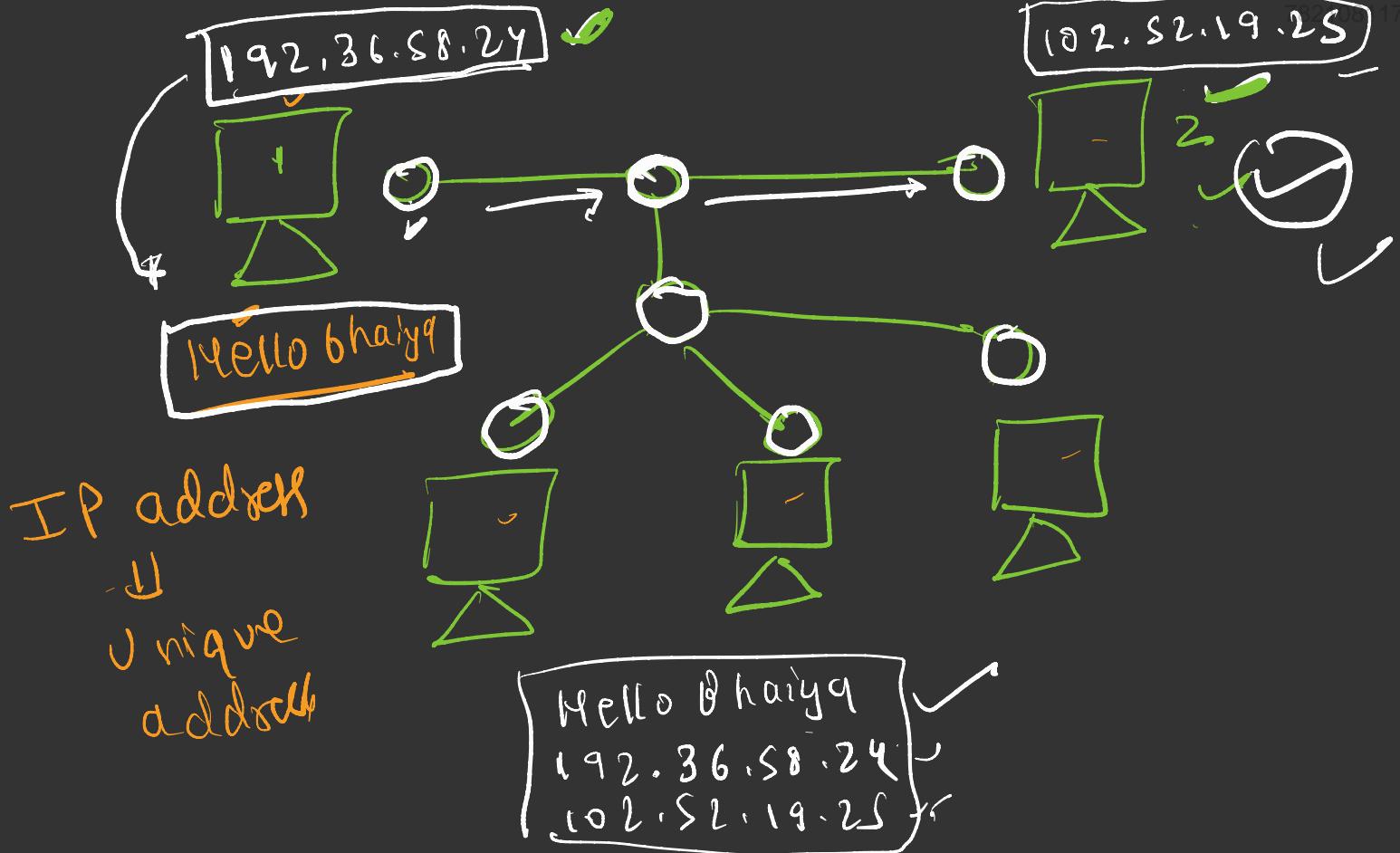


1974

ARPANET

source
destination





IP Address: 32 bit 4 Bytes =

IPv4:

32 bit

When =
 $2^8 = 256$

192.36.15.8

0 - 255 0 - 255 0 - 255 0 - 255

2^8

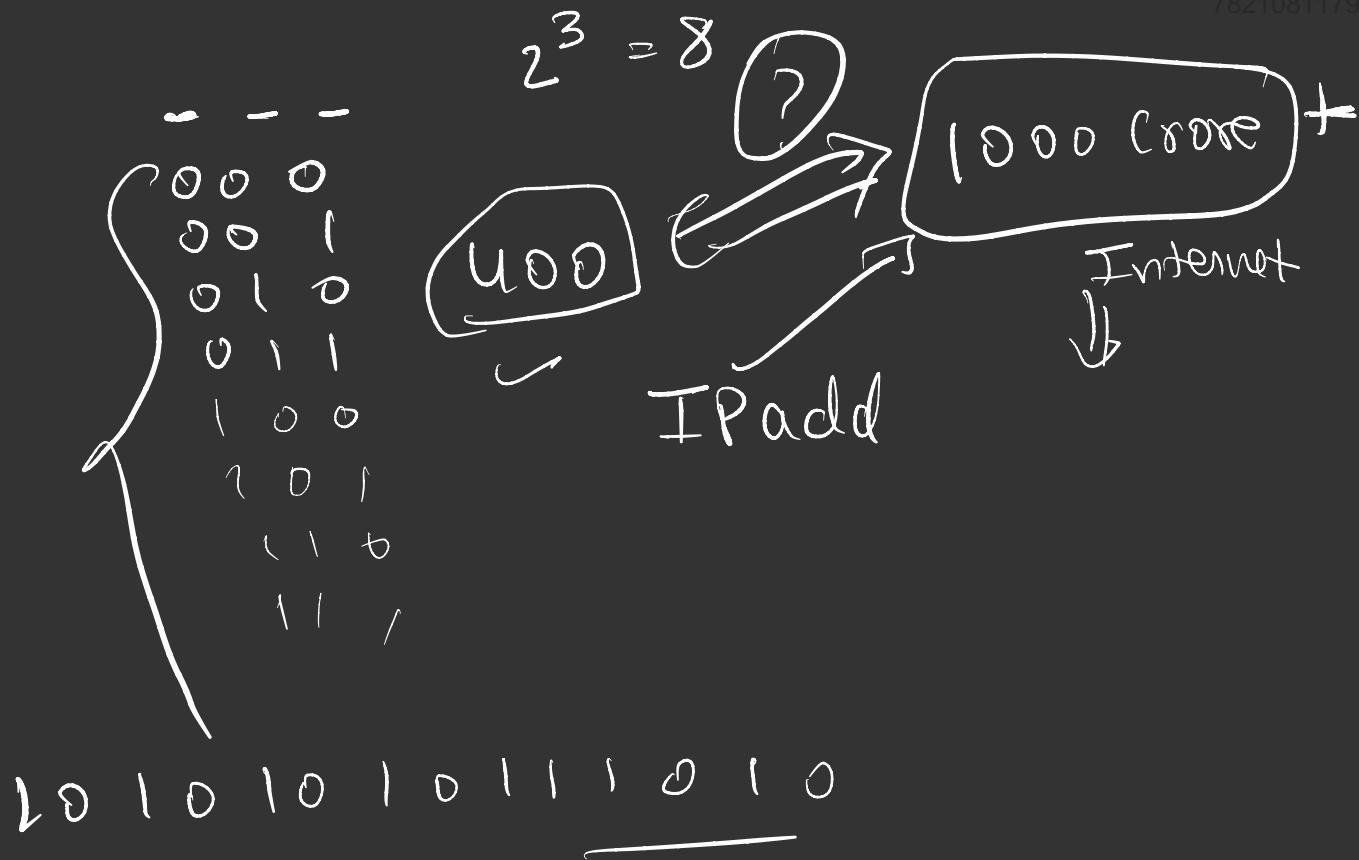
1.11000000.01011010.00111111.00001000

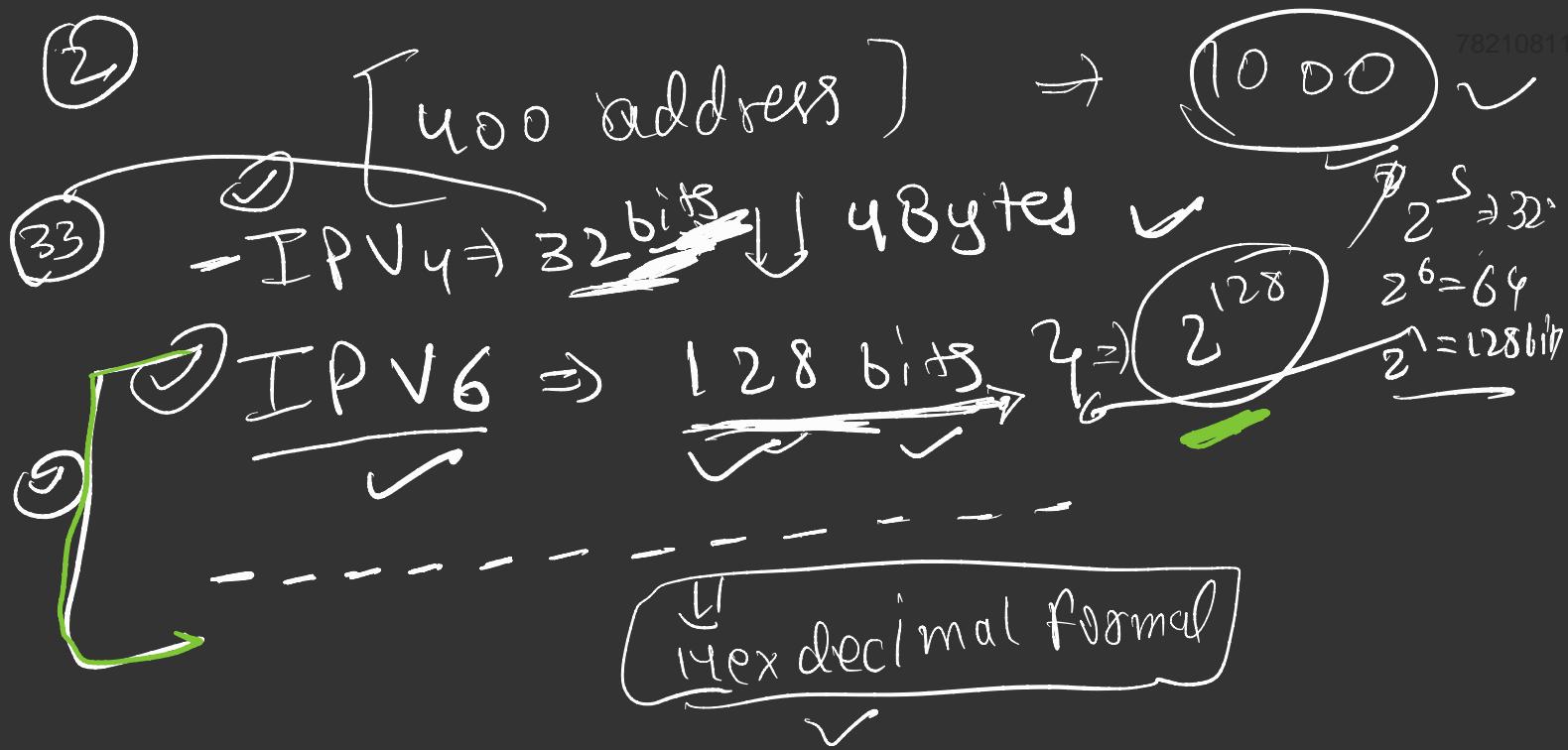
400 C00F

Devices IP add

2^{32}







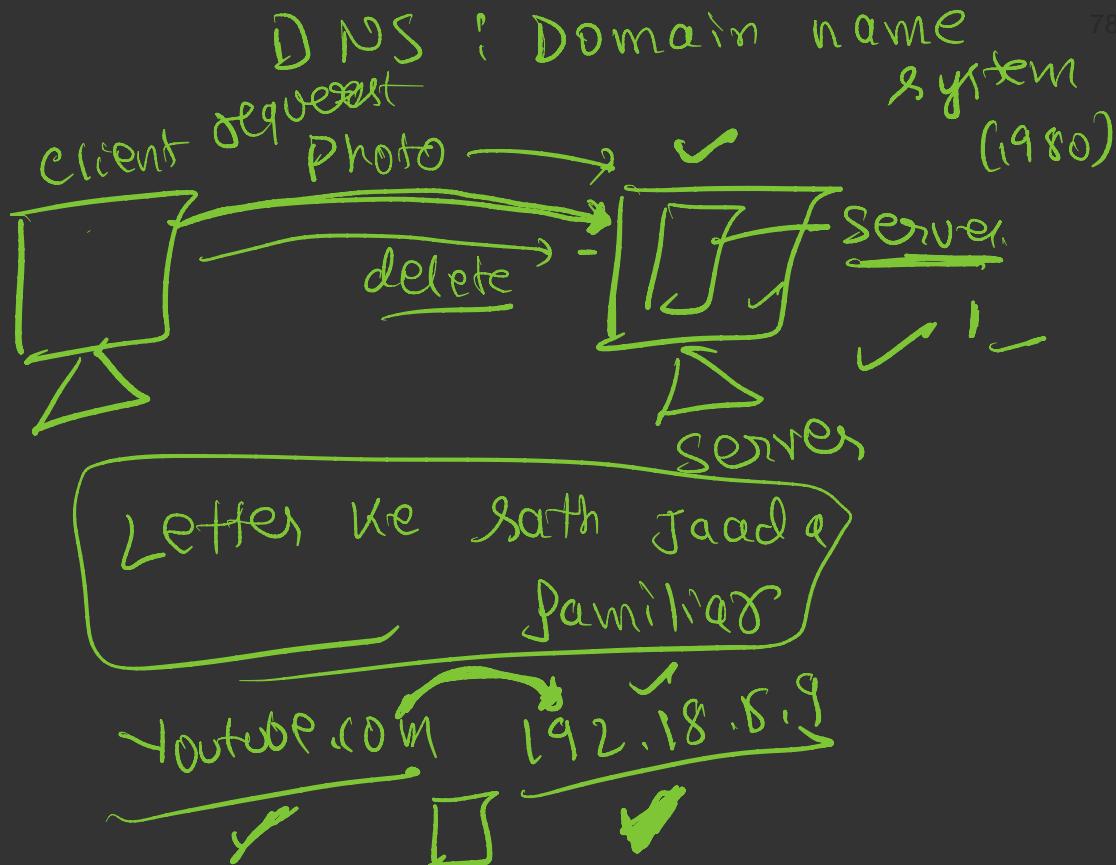
1594 - IP ✓

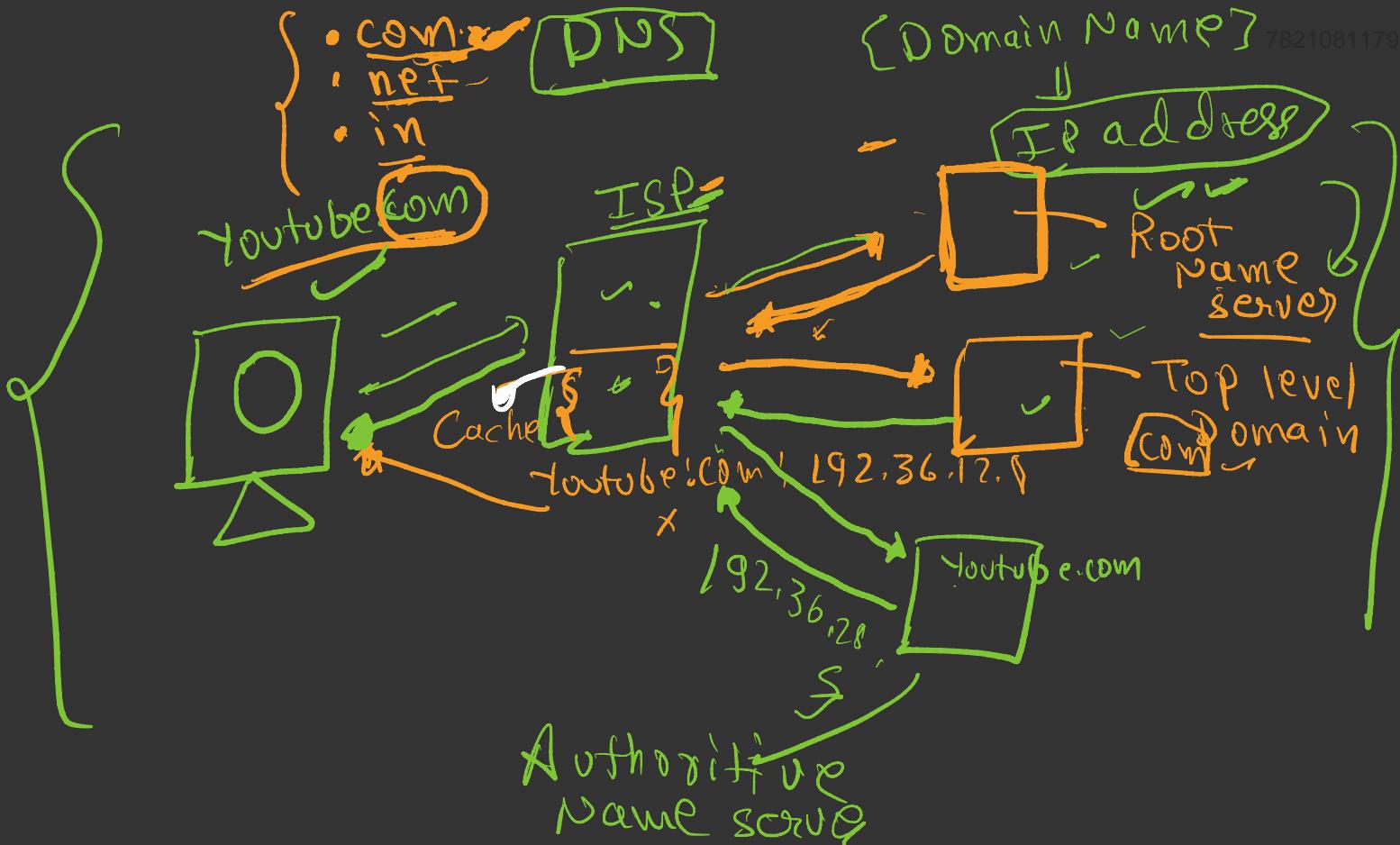
192.36.84.18 ✓

✓ google.com = IP address

✓ CoderArmy.in ✓

IP address





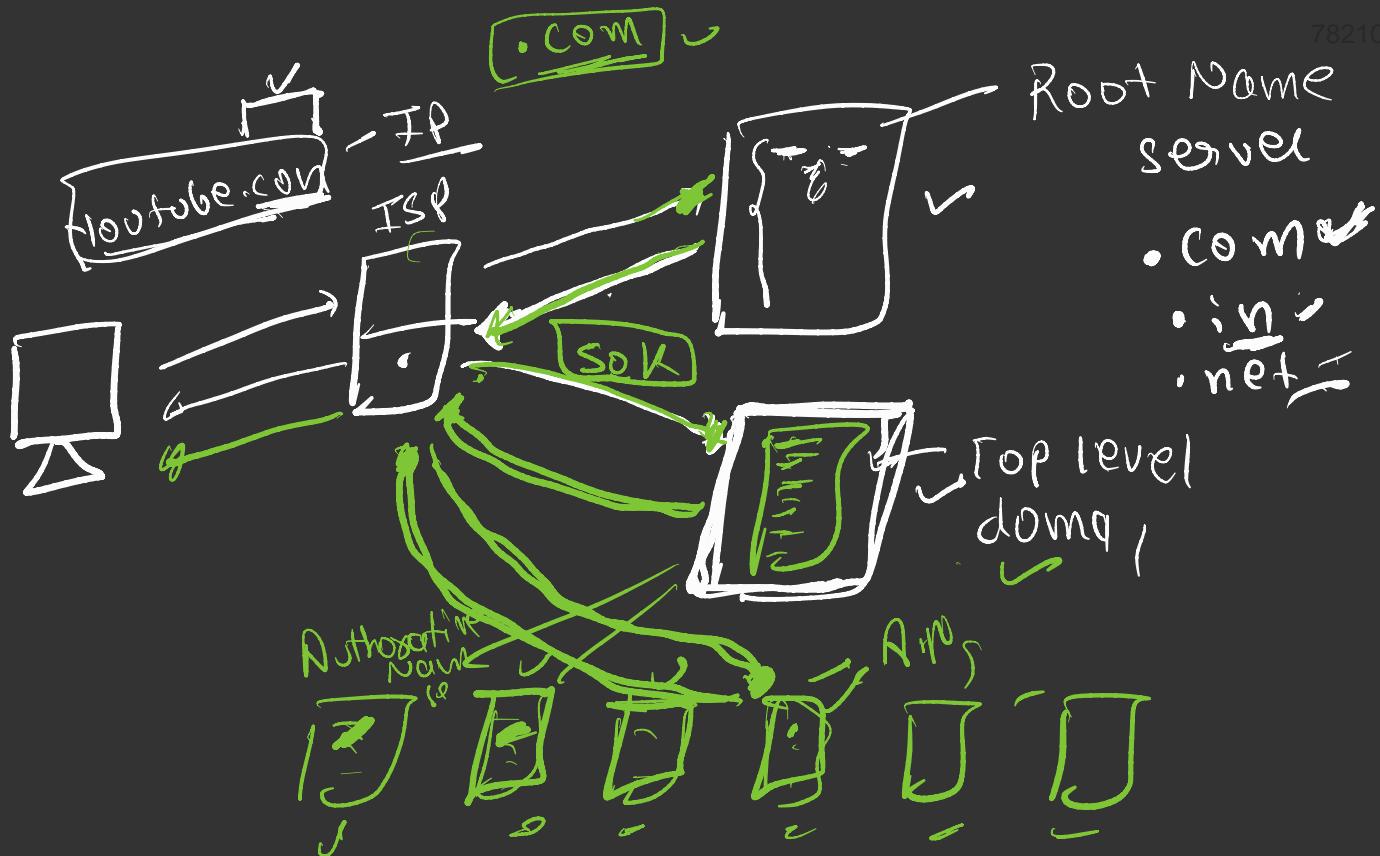
Static IP =

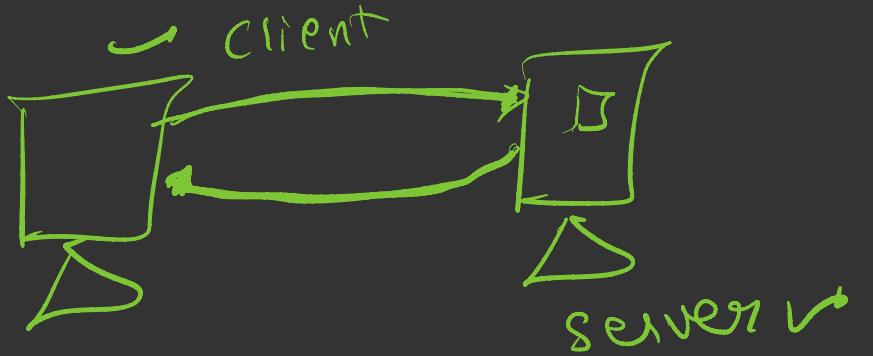
Deve : IP address
 └
 └ Out

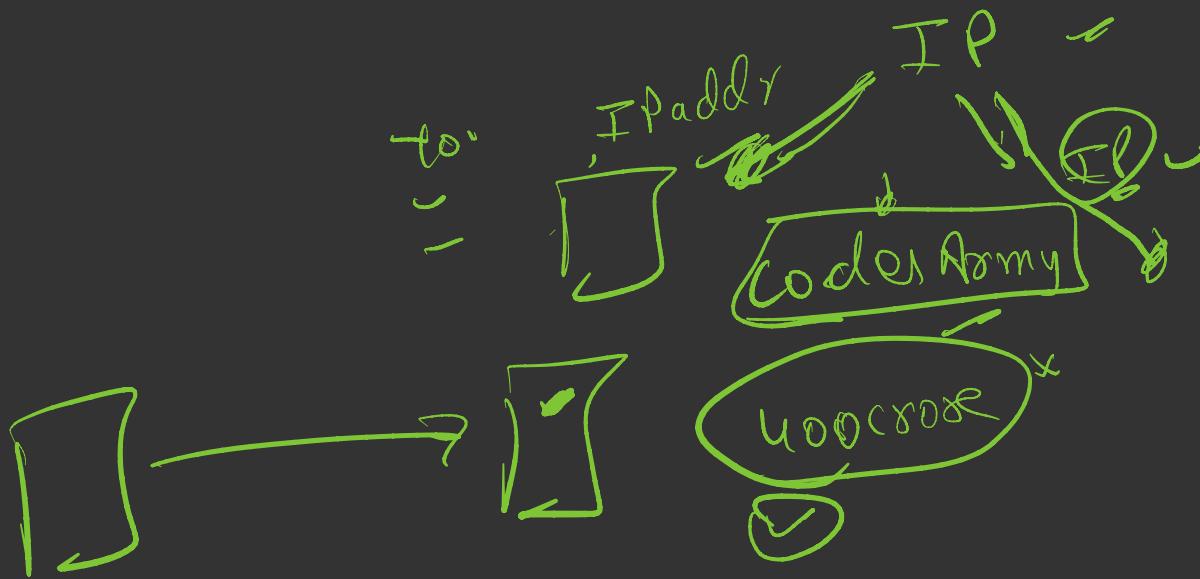
Dynamic IP address

400 cross Address changes









IP \Rightarrow address

232

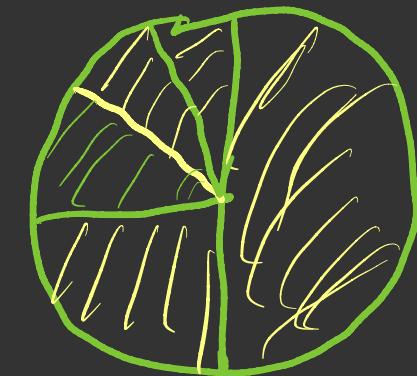
Class A : 50%

Class B : 25%

Class C : 12.5%

Class D : 6.25%

Class E : 6.25%



$$25\% \quad 128/2 = 64$$

$$\frac{128}{64} \quad 32$$



{ 192-223. —·—·—

{
 0-255 . 0-255 . 0-255 . 0-255 } 2
 — · — · — · —
 ✓
 A ✓ 0-127 . —·—·—
 ✓
 B ✓ 128-191 . —·—·—
 ✓
 C ✓ 192-223. —·—·—
 ✓
 D ✓ 224-239. —·—·—
 ✓
 E ✓ 240-255. —·—·—

$\frac{256}{128} = \frac{16}{8}$
 $\frac{128}{64} = \frac{1}{2}$
 $\frac{64}{32} = \frac{2}{1}$

