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Ans: 2

121.155.180.16/14

Net	00000000	00000000	00000000
4 <sup>th</sup> subnet →	00010011	11111111	11111111
last subnet →	11111011	11111111	11111111

Class: A 0

121.19.255.255

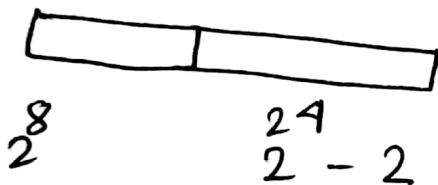
Broadcast address of 4<sup>th</sup> subnet: ~~121.251.255.255~~

Broadcast address of last subnet: 121.251.255.255

Ans: to the Qu: NO: 1

Class A:

1 1 1 1 1 1 1 1  
ip  $\rightarrow$  1.0.0.0 to 126.255.255.255



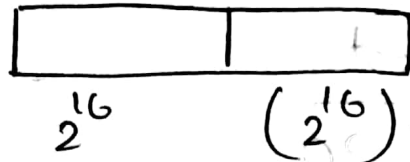
$\therefore$  Host possible ;  $2^{24} - 2$

$$= 16777214$$

Network =  $2^8$

0

class B :

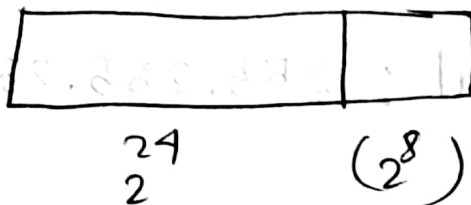


~~The~~ Range : (128.0.0.0 - 191.255.255.255)

$\therefore$  host :  $(2^{16}) - 2$

Net :  $2^{16}$   
2

class C :



Range : (192.0.0.0 - 223.255.255.255)

host :  $(2^8) - 2$

Net :  $2^{24}$   
2

Ans: to the qu: no: 3

$$\begin{array}{r} 156.150.12.90 \\ \hline \end{array}$$

Net  
(255.255.255.0) 000000001 000000000

$1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1$   
 ← Net → 3rd subnet:  $0\ 0\ 0\ 0\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1$

class : B

for 6 bit in decimal : 255.255.252.0

3+ last host of 3rd IP : 156.150.15.254.