EXPERIMENT: 19 AN IP Advess In the block is found as 182.44.82.16/26. Find the no of address, fixstadress. Lust address? Solution: - No of adxess is found as. n = 26 N 2 232 - 1 N : 232-26. N - 26 N = 64 bits For the firs adders we keep in that is 26 eleft most digits as it is and set (32-26) that is 6 Holght & rightmost adress all to. Zers therefore the first address is 182,44,82.0 For the last address we livep in that is 26 deftmost digits as it is and set (32-26) that is 6 dightmost address all to ones. there fore the lest advers is 182.44. 82.16.

Page No. No. EXPERIMENT: Date one of the adress in the aborte is 110.23-120.14/20. find no of advers, first advers lost advers. 50 Solution: The No of adress is found us. n= 20 N = 232-1 N 2 232 - 20 N = 212 N = 4096 128 64 32 16 8 4 2 1 2° 25 24 23 22 2' 2° , st 1100000= 112 last 0 | 1 | 1 | 1 | = 127 for the flist advers, we keep in that is 27 leftmos x hits as it is and (32-20) that IZ sightmost advers all to zeros therefore the first addess is 110.23.412.14/20 for the last adders we keep in that is 27 leftmost. bits as it is and (32-20) that is 12 xightmost actees. all to 1 there for the last advers is 110.23.127. 255/20

	EXPERIMENT: No. Page No. Date
95,	one of adress in the chlock is given as 767.199.170.82/27
	find the ne of addess the wirst address & last address?
	Solution :- The given Ip advers 167. 199.170.8 2/27 ib dies in
	the loto class A because the first octube is 167 and it lies.
	between (ofo 127)
	there fore the no of adress in the black found as
	1/ = 13= 11
	N = 232-27
	N 2 32
	Por the total
	for the first adress is we keep n that is 27 left most
	The state of the s
	to zeros therefore the fist advers is 167,199,170.64/27
	for the last address we treep n that is 27 left most
	therefore the lest adjess is 117 100 in their us 27 left most
	therefore the lest advers is 167.179.170.95/27

1	
	EXPERIMENT: No. Page No. Oate
Q1	The of the adders is given as 25.34.12.56/16.
	Solution: No of advers is found as.
	h = 16
	N=32 232-1.
	N: 232-16
	N = 2 16
	N = 65536 bits
	P . 11 0.
	For the first we keep in that is 16 left most as it is
	(32 10) that us 16 sight most advance - 11 1-
	therefore the first actress is 25.34.0.0.
	For the dead a locate to
	For the last adreess we keep in that is 16 deffmost digits.
	to One's therefore the first adress is 25.34.255.255

9, An IP adress in the block is found as 163-199.170.3/27 find the no of adress, first adress, last address.

Solution: - The no of address is found as

1 = 27

N = 232-n.

N = 232 - 27

N = 25

N= 32 biss.

for the first adress we keep in that is 27 left most bits as. it is and [32-29) that & sighmost address all to Zeeos therefore the first adress is 163.199.170.0

for the last advers we leep in that is 27 leftmost bits as it is and (32-27) that 5 lightmost advers all to One's therefore the & Lost advers is 163. 199.120.31

	EXPERIMENT: No. Page No. Date
8.	An IP adress in the block is found as 200.17.180.0/24.
	find the no of advers, first advers and last advers?
	Solution: - No of adress is found as.
	N = 24
	$N = 2^{32-n}$ .
	N: 232-24
	N = 2328
	N = 256
	For the fixst adress we keep in that is 24 deftmost as it is
	that us 8 that sightmost adders all to -and
	therefore the fisst advers is 200.17.180.0
	P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	for the last advers we keep in that is 24 leftmas as it is
	1 32-24) that us 8 sight most advers only
	therefore the forst advers is 2 last advers is 200.17.180.255

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