Date : Year:

Month:

Day

آی ب های زیر را به ۱ سایت تقسیم لند . (5 سایت اولیم کا فت س)

n = 4

22 > 4

192.168.1.0/24, n=4 0

5 orginal subnetmask: 11111111 .11111111 .11111111 .00000000

192.168.1.0/24

Splitted subnet mask: 11177111 . 11111111 . 11111111 . 11 000000

192.168.1.0/26

255.255.255.192

 $2^{(32-26)} = 2^6 = 64$

192.168.1.0 _ 192 .168.1.63

192 . 168 . 1.64 - 192 . 168 . 1 . 127

192.168.1. 128 - 192 .168. 1. 191

192 . 168 . 1 . 192 - 192 . 168 . 1 . 255

172.16.0.0/16, n=16 @

n=16 $2^4 > 16$

org = 11111111. 11111111. 00000000. 00000000

172.16.0.0/16

splitted sub= 17171711. 71111111 . 71110000.0000000 172.16.0.0/20

255.255.240.0

20 2 (32-20) = 212 = 4,096

O 172.16.0.1 - 172.16.15.255

@ 172.16.16.1 _ 172.16.31.255

3 172.16.32.1 -172.16.47.255

(A) 172.16.48.1 - 172.16.62.255

(5)172.16.63.1 - 172.16.79.255

parsian

Date : Year:

Month

n=64 26 64

n=64, 10.0.0.0/8 P

org = 11111111.0000000.00.0000000 10.0.0.0/8

splitted: 11111111. 11111100.0000000.0000000 10.0.0.0/14

255.252.0.0

 $2^{(32-14)} = 2^{18} = 262,144$

10.0.0.0 - 10.3.255.255

10.4.0.0 _ 10.7. 255.255

10.8.0.0 _ 10.11.255.255

10.12.0.0 - 10. 15. 255. 255

10.16.0.0 -10.19.255.255

10.20.00 _ 10.23.255.255

10.24.0.0 10.27.255.255

10.28.0.0 - 10. 31.255.255

n=8 $2^3 > 8$

192.168.10.0/24, n=8 @

org = 11171111 . 11111111 . 11111111 . 00000000 e

splitted: 11111111. 11111111. 11111111. 111 00000 192.168. 10.0/27

255.255.255.224

 $2^{(32.27)} = 2^5 = 32$

192.168.10.0_192.168.10.31

Q 192.168.10.32 - 192.168.10.63

(3) 192.168.10.64 - 192.168.10.95

(A) 192.168.10.96_ 192.168.10.127

(5) 192.168.10.128_ 192.168.10.159

6 192.168.10.160 - 192.168.10.191

parsian

(3) 10.10.1.0 - 10.10.1.63

2 192.168.0.64_192.168.0.127

3 192.168.0.128_192.168.0.191

(A) 192.168.0.192.192.168.0.255

(5) 192.168.1.0 - 192.168.1.63