Ruashed Md. Bankel-E-Khuda

11 hene Ip: 75.156.223.185 | class A

- (a) subnet massl: 255.254.0.0/15 (cIBR)
- (Broadcast address of and sybnet: 75.7.255.255

(1) 20.00 112 (011) 91 stor 19 mot is

(e) 1st host of 6th subnet: 75.12.0.1 Last host of 6th subne: 175.13.255.254 here Ip: 142.240.232.73/26

I class B

B

142	240 00000000	00000000
	1st sulnet 00000000	10 000000
	Last rulnet 11111111	1000000
7th	subnet 00000001	1 1 999990 (Last host)

(a) number of usable subnets possible within the network: 210-2 = 1022.

b) 1st subnet: 142.240.0.64 Last subnet: 142.240.255.128

(e) Last host Ip of the 7th subnet: 142.240.1.254

hene,

JA = 10 mxc

JI = 19 mscc

JH = 16 msec

J K = 18 msec

> N = 12 msec

JM = JA + AM = 10+14 = 24 msec

DM = 71 + 1 M = 19 + 6 = 25 msec

DM = JH+ HM = 16 +21 = 37 msec

JM = JK + KM = 18 + 6 = 24 msee

JM = JN + NM = 12 + 12 = 24 m/ec

here the lovest path value is 24 more.

so Jean neach m Mnargh

J→A→AM

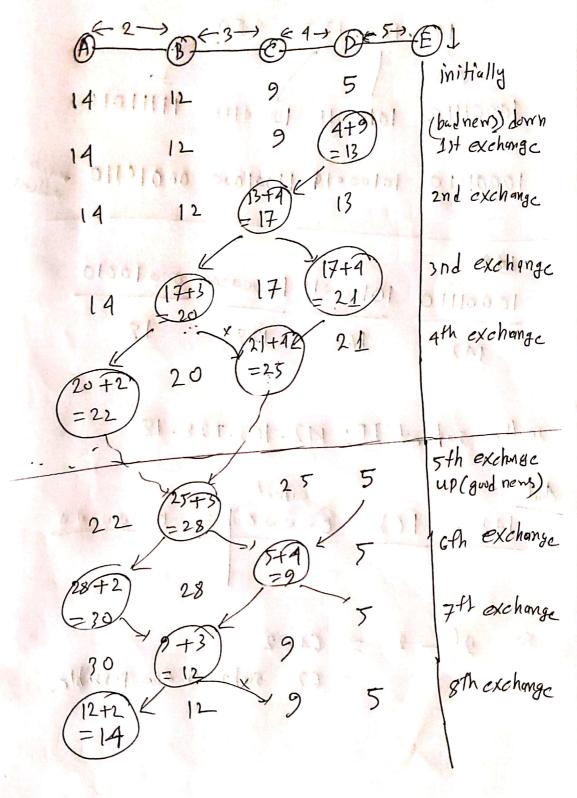
or $J \to K \to M$

OR J-N-) M

by using any of the path.

多

31 and the states



here, destination Address short IP)
142.163.135.250 (destination)
10001110 10100011 10000111 11111011
10001110 10100010 11001000 00010110 main mater
address

oren and 10001110 10100011 1000000 000 10010

so the subnet IP: 142.163.728.18 | class B

142. 163 60000000 00000000

50 26-2=64-2= 62 submets and possible.