Name: Md. Rokibul Hasan ID: 2019-1-60-114

Ans: to the B: No: (2)

Civen, 112.140.132.173/22 -> Class: A Lombond ofundus last

Dietwoods TR: 1000 112.1.

Network 1P: 112.0.0.0

Here, Network portion consume 8 bits.

So, (22-8) = 14 bits are using ton subnet.

1 Number of usable subnets possible = (214-2)

subnet

112 00000000 00000000 00000000

1st subnet: 00000000 000001 11 1111111/

1st subnet. 1111 1111 11110 11 111111 1 11111

Broadcast IP:

last Attist, 00000000 001001 11 111110 0000000 1 10 00000 ; trad to 1 0111111

1111111 10100000 , tokat kal

1st subnets broadcast IP: 112.0.7.255
last subnets broadcast IP: 112.255.251:255

311 00 1

50, (22-8)

Dast Post IP of 9th subnet; 112.0.39, 254

Ansi to the 3: No: (1)

Given

19.0.0.0

This is class A IP.

Hence 9 9 bits & one taken to eneate subnet.

Notwork Is: 19.0.0.0

12th swood, 00000101 1/111111 11110

Schonet mask (CTD2): 255.255.128.0/17

1st host of 11th subnet: 19.5.128.1

Last host of 11th subnet 6: 19.5.255.254

© 1P = 19.0.0.0

Broadcast 1P = 19.255.255.255

last subject of this IP will be =

200 81 = 8 + 01 = 10 + 91 : 11 = 18 mg

Sou co = 11 + 81 = MH + HT : MT

wolld thin it so is to month

of alleg un - is must been at I will

(Ans. to the gino: (4)

0.0.000 = 95 3

Here, we want to reach 'N' from To Source: 'T' and book Dectination: 'N'.

Neighbours of Tin B, D, G, H.

From question we can write'.

TB: 10 ms

TD: 19ms BRS PRS. E1 = 91 tookson &

TG: 16ms

TH: 18ms/w 91 sut to toward tool

Now, Possible rouse of destination: -

TN: TB+BN = 10+8 = 18 ms

TN; TD + DN = 19 + 9 = 28 mg

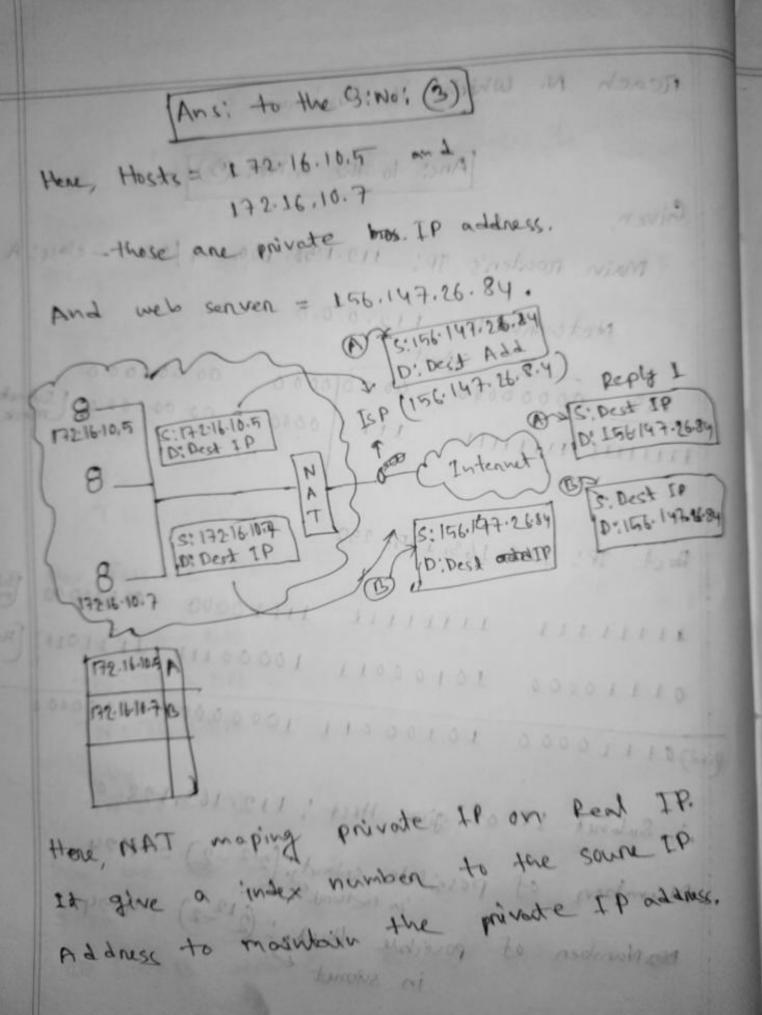
TN: TG + GN = 16 + 15 = 31 ms

TMA

TN: TH+HN = 18 + 11 = 29 ms

Here we we will tollow the minimum from T to N. So 'T' will fallow TOT T -> B and then B -> N path to

neach N. Which is minimum. Anc: to the g:No: (6) Given, Main nowten's TP: 112.130.100.259 | 20 - class: A Network IP: 112.0.0.0 112 0,0000000 0000000 0000000 121 1 0000 00 00 000 0 [Subnet] THITTE HILLIII Host TP: 112-163, 135, 250 7111111 77111111 7317 0000 000000 01110000 10100011 10000111 1111010 :. Subnet IP of given Host: 112.163.128.0 Number of possible subnet; (212-2) = 4004 Monomber of possible Host, (212-2) = 4094 of servery in sybnet t



Then, Destination Network Brepty to the TSP. At that time sounce IP = Deck IP and Destination IP = TSP IP + Index.

Then ISP provide it to the NAT and NAT tistra buted it to the private those NAT distra buted it to the private those IP according to this index table.