source

2018-2-60-033 Bijoy Basak

14 9 Aban 8 4008

Answer to the question no. 1

1 (a) mobries moissagrag

Given

address = 128. 232. 176.0/21

For Department A:

60-100 hosts

= 102 address minimum

128= 27 : 955. 955. 955. 224

subnet bits = 32-7 = 25

subnet = 128.232 176.0125 to

128.232.176.127125

mask = 255.255.255.128

For department B: 1 - 195, 256, 266.

to 150 - 220 hosts

= 222 address minimum

250 = 28

submet bits = 32-8

= 24

subnet - 128.232.177.0/24 to
128.232.255
128.232.177.255/24

mork = 255 255 255 0

For dept. C: Es = stid

20-30 hosts offer and the

= 32 address need

B2=25 subnet bit = 32-5 = 27

subnet = 128.232.176.128127 128.232.176.159/27

mosk = 255, 255, 255, 224

Fifth dept. to similar B.

IPV4 subnet mask = 255, 255, 255,0

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366 1(b) 1 280 201 = 1 and 50

For 4th new dept. with 30 hosts

32 address minimum needed

32=25 bits = 32-5=27

CAB 9) ANDRE BOYLE

subnet = 128.232.176.160/27 to
128.232.176.192/27

mask = 255. 255 255. 224 tordes = 2= 28

128.232.371.86.28212 - 128.2821 -

The school open department E on a Fifth dept. to similar B

IPV4 subnet mask = 255. 255. 255.0

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11 . 11 4 Hoend Bolla

Answer to the question no 2

2 (a)

TCP slow start is operating.

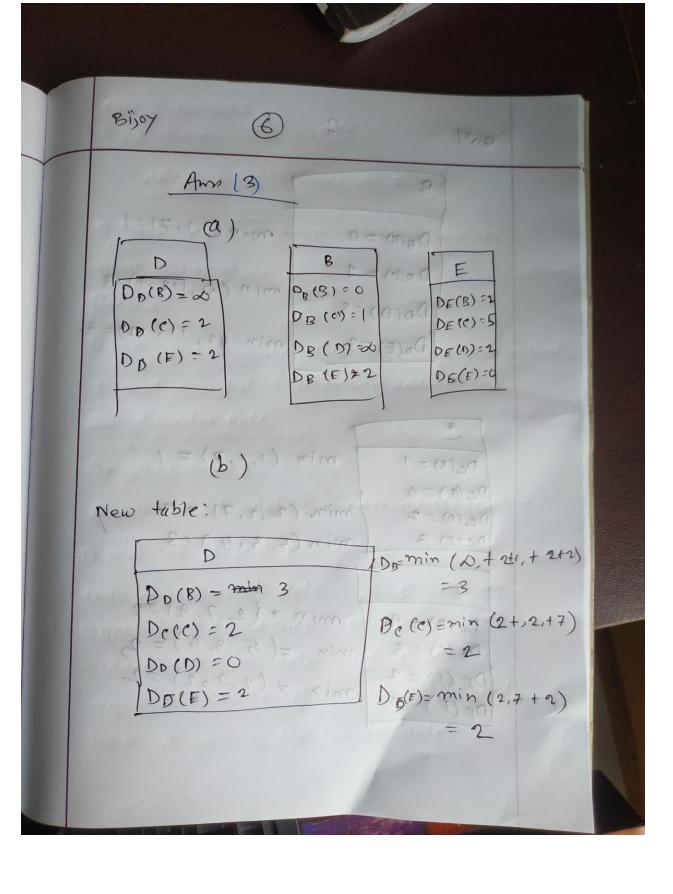
1-7 and 17-24

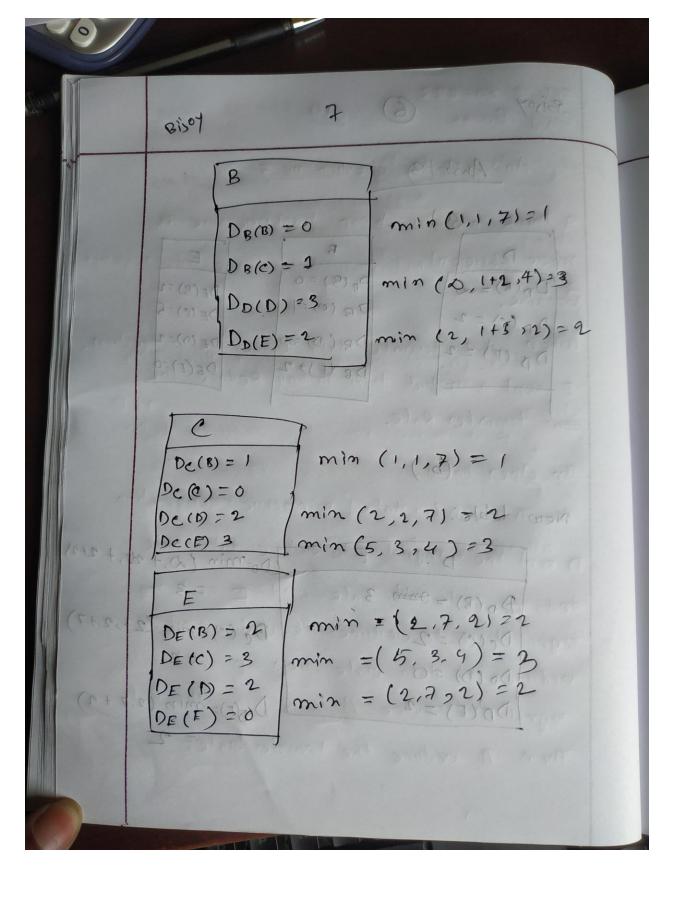
1-6 and 23-26

2(b) 6 to 23

- 2(c) Abter 16th transmission round is segment loss detected by triple duplicate Ack.
- 2(d) The initial value of sethneshold ad birust tolammission oround: bosom the good it is \$32.
- 2(e) 42/2 = 21 /20 mm
- 2(b) $29th = \frac{26}{2} = 13$
- 2(8) The 70th sent: 1+2+4+8+16+32+33

2018-2-60-033 Bijoy Basak 2.9. The and holder of the state of congession window size = 8 1000 4 = 120, 232, 176, 0/21 ssthoresold = $\frac{8}{2}$ = 4 to Department A. 60-100 hosts - 100 1001-08 = 102 addores minimum submet bits = 89 - 7 = 8 = 110 Subnet = 328.932. 176.6/25 +5 128.232.176.127125 mask = 255.255.258.128 AND THE MET - DESCRIPTION AND THE 4 150 - 220 nosts marriagem morpho eco





2018-2-66-033 Bijoy Basak (88 28000)

अञ्चलि इल्लंड Answer to the question no.4 4(a)

Step1 .

mine ja net request local ons drust ja net

be counted mext.

garage and gallerations

to the other one in heizacy orden Step 2:

ds1. ja. met viequest sent to Root ons

step 30

TLO

Root server par the request to DNS

step 4:00 7201 and 240 ovitateti, & grim TLD DNS trequest sent to com alternative DNs. L'aprojil arrown bro

step 5 0

configured yours toobar com and sent to host

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Bijoy Basak

4(b)

In it iterative ans server

The local DN's server can transfer queue to the other DN's in helacy order.

Every server vieply with which server should be wanted next.

Comparie to this solution, one achieved using & iterative DNS has less cost and more hieracy.

configured yours Loobes com

taon ,

Answer to the question no . 5

9 think hop-by-bhop backprossure is more esticient.

Because,

When, A-E townsher data E occure congestion.

E sent a singhal to A to say Reduce the

soun-townsher Rate.

In other hand.

A - D transfer data, D occure congestion D sent the singnal pto reduce data Rate and p sent may signal to E to reduce the vale and E veduce its data rate, then E sent a signal to source A to reduce the Rada. Then A veduce the transfer rate.

2018-2-61-033 on the other hand enok packet has some data less in its chok mgs. So. hop-by-hop is best option Amuer to the question no. 3 E sent a singlact to A to say Reduce the can toranskon Rate. con the front is the me A - 1 strander data in a operare dange stin sent the subject of the state of the and to medice wife Rate and great ma signed to be to the device of a long te long to wed Tre tite data water them E sent It signal to sounce A tourneduce the Pect

2018-2-60-033 Bijoy Basate Set: 11 Answer to the question no 6 6(a) (5) d The sequence number : 357 Source posit number: 205 Destination posits number: 8009 notherness 6(6) The acknowled ment number: 257 357 The source post of 80 more trong software ont The destination posit: 205 6(e) The acknowledgment number = 257

