

190530078 Sum = 0010 1101 1's complement = Final 00 bit 1 stream = 0/11/11/1010 110/ Recieved => Acknowledged => (9-10) Window Sender. tarn hom Start End Last Thrinking Jome, acknuledged beinge transmitted sent Window -size 10 at man 5 so all the remaining frames (92 10) in dla window. 000 an 3 are still un acknowledge . 5-3 = 2 -> 9 and 10

SUMPS JAIN

Rec

(rm

Start

0

Receiver. Window 3 Start Jome ۱'n (8-10)

ALK O Selection repeat ARO les woodphous 15

The selection repeat ARO is better.

93 @ $T \rightarrow R$ loo water. V= 2x108 m/s dist = Soom. Propagation delay = 500 x106 lls = 23215. L= 20R = 2x500x (00x 106 2 ×108 = Soo bits. Tomonission Time = 500 100 = 5 les (0 UX 106 it in

7 lls have housed and it is tomo mitting, hence have length, actual protect length? min hudset length.

She I would have transmitted in 5 lls itself.

yes, T may be able to tours mit and even if a colloraion bathers, and then it will be able to resend of the the colloraion.

a) o Total data = 5000 byhes. Part size = 100 byte onfluide 5020 byte Time for budget to hip = 100 mothers. Redination solding No. of budgets = 100 5000 months

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Ruo + probagation delay. bearlooms Fed Transmission delay is return. layer. For all buckets R. fine = 10 × 100 ms (sec Total = [2 sec.]

PA DA SA Tym Data AAD PSS Preamble first set synchrounises the clocks of the recieves. & also marks start of frame. Destinction address is neatherd rife and had blue broceed. Silve proceed. fcs checked for data integrity. Ethanut sheifk header an stoiphed off and + the backet is harsed, to returb layer, itedand like (10 cm) = (10 x (10 cm) = (10 cm) 5 D



(B) — (C)

A sonds RTS to B

B sonds CTS

However due to collision with.

Some pudset hossible CTS that

A might reach A but does not
wheach C. So A sends the data to
wheach C. will also read the data.

B. C will also read the data.

Be as it did not get CTS,

Hence collision will haplen out B.