of the progress Namentally Charge the weite a perogram to implement flow contered at a data link layer morry Sciding WINDOW PROTOCOL. Stimulate the flow of fearnes ferom one rode to another.

recate a sender Perogram with following feauteus:

1. Toput window Size from the user.

2. Input or Tent missage from the user.

3. consider | character per frame.

4. counte a ferame with following field [ferame no,

5. serd the ferames. I point the output on screen

and save it in a file called sender-buffer.

6. was + four the acknowledgement from Pecipon

[Toduce delay in the perception].

7. Red a file called Ricerver louffer 8. Check ACK field four Acknowledgement number

9. If the Ack number is expected, send new set of frames accordingly Towerent the Bunder-

leufer file with new ferams J Elese NACE is

rueroid, susered the frames accordingly Conservente the serder-buffer with old ferme.

auate a succive file with following feautres.

I Reader a file ralled sender buffer.

2] thuk the frame no.

3 If the frame to see as expected, write the appropinate ACO no. En the Pecèrcer-buffen file.

Bless ween'te MACK no in the Receiver file NOTE: - Induce everor and verify the behaviour frame no and Ack no in the files. Student Observation: imposed math Rompout time def sender (message, meindow_size)? num-ferames = math « cut (len Comessage) / window _ste) pent-ferance=0 whole sort-farme snum farmes ? Start = sent frame & windows_ since end = min (staut + mindous- size, len (nuessage)) Paint f l't "In Gerder: serding féraines feram position & start + 14 to Send y") for i in range (Start, and): Peint & (f "from & f+ 14: 'Emessage [9] 3' sent.") of evandom. show a (Treme, false); point (+ "Receiver: Acknowledgement excited for ferames from & Start + 1 } Ao Send 3') sent frame += 1 Perint (f" exercera : Ack NOT received from ferances Estant + 14 to & end y. Resending frames".) time. Sleep (2) point ("In All frames Sent successfully") def sucales (missage, merdono si Te). A _ name_ == "_ mais_"; message = input ("Entir missage At side") noindoussia = ant Canput ("Enter the window sto.")].

bender (message, windows six) euciver (musinge, nerndow-272) Entre the message to kerd: hele Output: Enter the nelodous size: 2 serder: serding ferames from 1 +02 Peccipean: Acknowledgement Received ferame 1 to 2. ferance 1: "h' sent serdier: sending fexame forces 3 to 4 Peccises: Acknowledgement NOT received for feramer ferame 3 to 4. Resending the ferames. sendor: serding frames from 3 to 6. facine 3: 1' sent. Receiver: Acknowledgement Received forcem 3 Ao 4. Result: Thus program is executed and output a rowified successfully.