

# POORNIMA FOUNDATION

### DETAILED LEGTURE NOTES

services provided by DLL - framing - Goror Centrod - flow control ( one is fast & other is slow)
- This is speed matching. - Physical adobersing Mechanism. - Access control - 9+ tells the sender how much douter it can transmit flow controd before it was must wen't for an acknowledgent from the dieceiver. Noiselus Chemnels Channel. - Stop2 would ARQ · Stope wen't stiding windows, T- Go back NARQ protocol. 1 - Selective Repeat AR (

## 1) Stop & wait

- is del protocol for toensmission of frames over notiseless channels.
- 9+ provides Unidirectional data beinsmission with flow Control feeliticities but without grow control feelities.
- The idea is stocight forward
- After transmitting one frame, the sender wen't & for an acknowledgement before transmitting the hent frame.

## sender side

Rule 1 - send one data packet at a time Rule 2 send the next packet only after receing Ack for the previous

# Receiver side

Rule 1 Receive & consume douter parket

Rule 2 After consuming parket, Ack need

to be sent (flow control)

### Pooblem

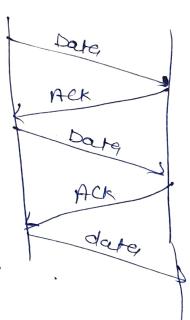
Denderwen't for infinite amount of time for ack Receiver for dates

2) Due to lost Alla sender waits for alla for ex infinite amount of time

3) Due to delayed Aer (date After timeout, a delayedack is received might

delayed ack might be

of some other data packet.





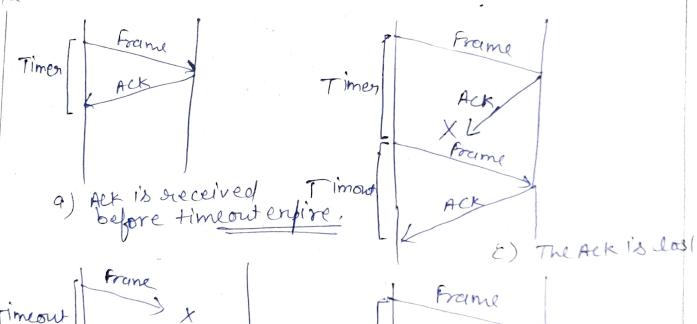
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#### DETAILED LECTURE NOTES

PAGE NO. .....

Stop and wen't ARQ (Automatic Repeat Request)
protocod.

= Stop & wou't + Time out timer + Sequence No.



Timeout France

Timeout Acres

b) The original frame is

Timeone Alb Ack Arame

d) The time out fires too soon

after timeout enpired. 91 subcursmit ageun.