given that,

Transmitting starts at - 2:00 pm Cropagation time = 10 minutes

In 10 minutes Il nouses a leit from A to D. So, for selecting collision, we need to wait for another 10 minutes to check If any leits comes from D to A.

So, for worst case excerario, the transmission time has to be 20 minutes to detect the

So, the firme In my clock after completing the transmission of the frames if I want to detect the possible collision in the worst case occurred is 20 minutes on 2:20:00pm

Ans: 20 minutes.

de) If It have stopped transmitting before the time that I have calculated, a callisian will occur at Station D on near Station to and station-A will be unassure of it. This can lead to data loss on correspond fromes.

Now, Let's assume the transmission stops at 2:19:00 pm

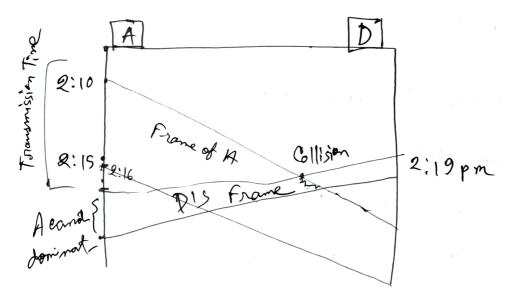


Fig. CSMA/QDA