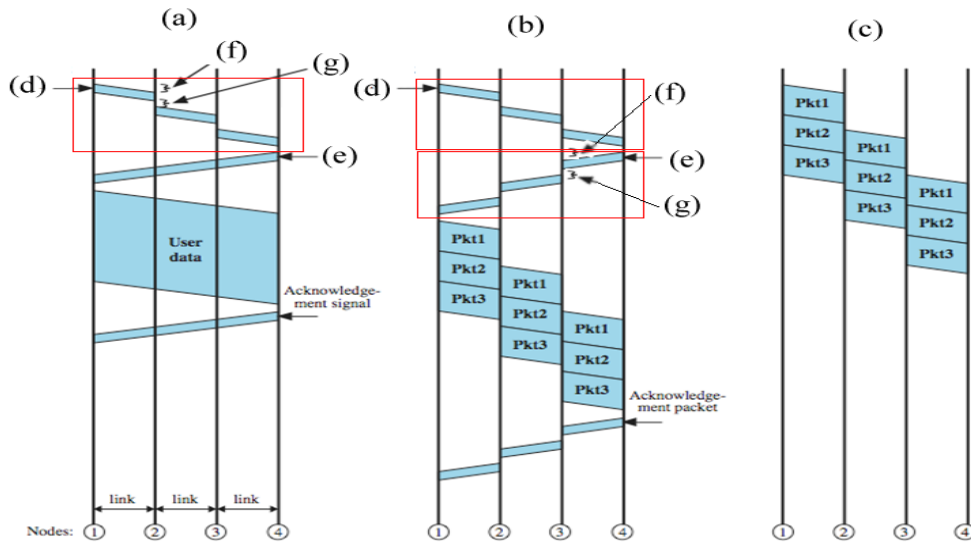


## Network I Tutorial

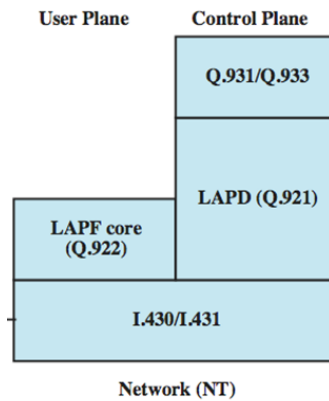
### Packet switching, Frame relay, and ATM

1. The following figure shows three different approaches of switching, Write down the name of each symbol.



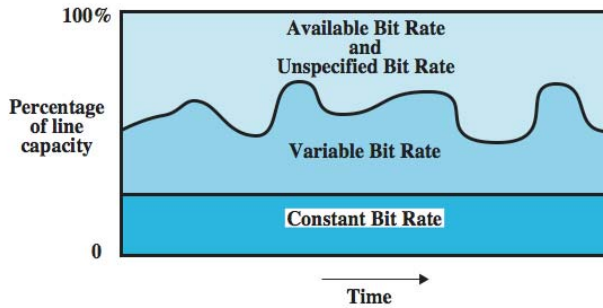
2. X.25 is a reliable protocol unlike frame relay. Discuss

3. The following figure shows frame relay protocol architecture for network terminals. User plane contains only two layers while control plane contains 3 layers. discuss



4. What are the main differences between X.25 and frame relay .
5. What are the main differences between ATM and frame relay .
6. What are the main differences between ATM and X.25.

7. ATM supports many type of traffics, state with examples.



8. define the following terms

- A. Flow control
- B. Error Control
- C. ATM
- D. Virtual Channel
- E. Virtual path
- F. DLCI
- G. Virtual Circuit
- H. VCI
- I. VPI

9. State the main functions of Header error control in ATM header structure.

10. The following figure shows the three different states of ATM switching node. Discuss the function if each state.

