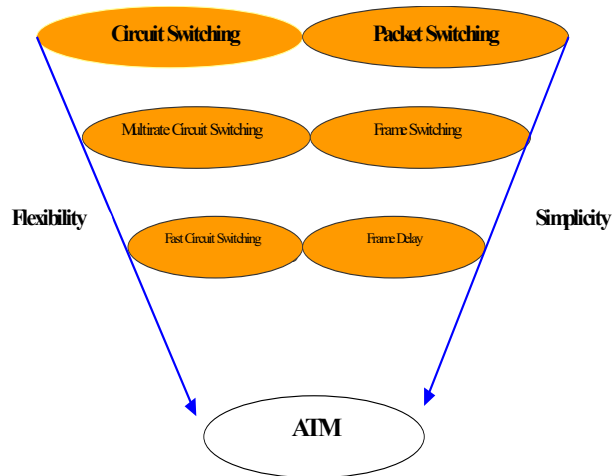


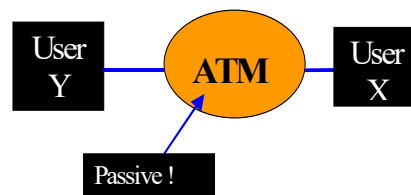
## Evolution of ATM-1

- Characteristics of today's services
  - Heterogeneity.
  - Burstiness.
  - Quality of Service (QoS).



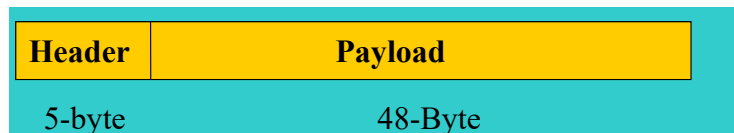
## Evolution of ATM-2

- High-Performance of Fiber Optics
- Intelligent Hosts

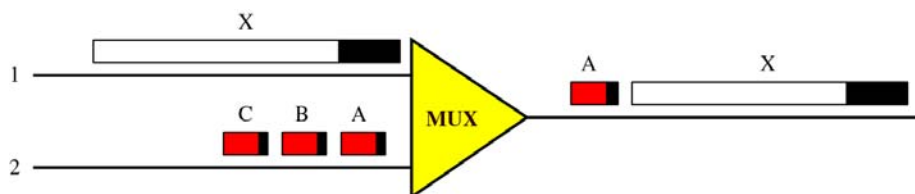


## ATM Basic Principle

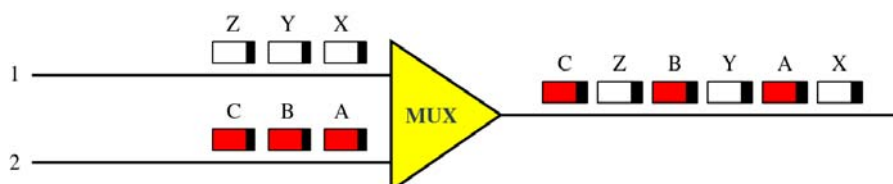
- Cell Switching based on:
  - Asynchronous time division multiplexing (as STDM)
  - The use of fixed length cells:
    - Minimum delay
    - Minimum switch complexity (Little processing and simple memory management)



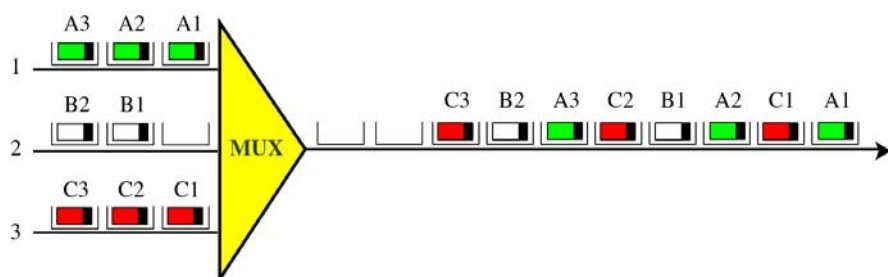
## Multiplexing Using Different Packet Sizes

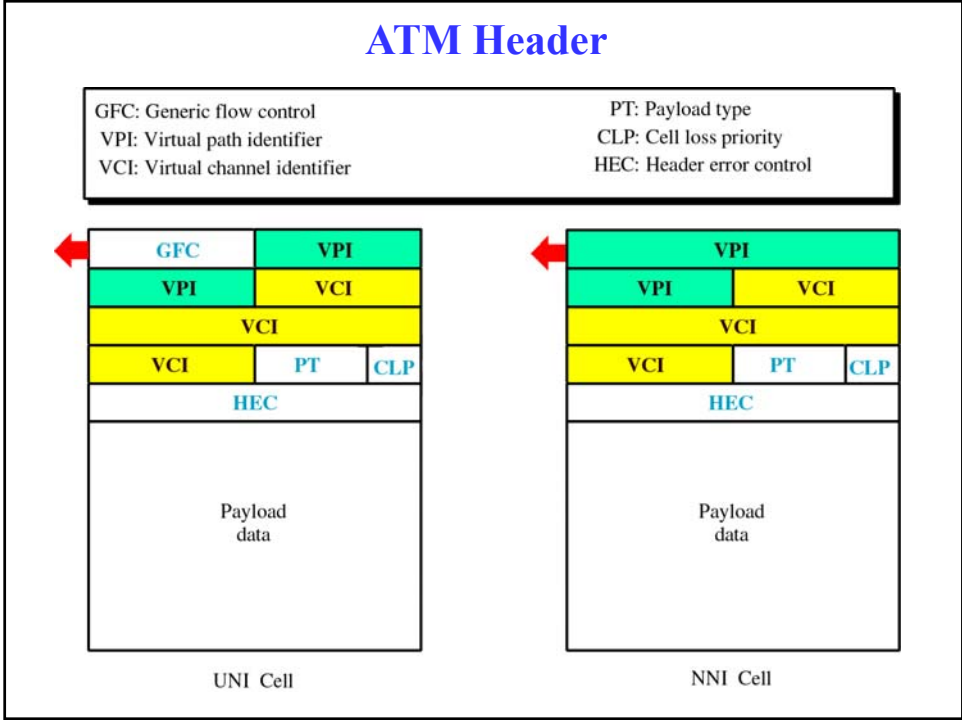
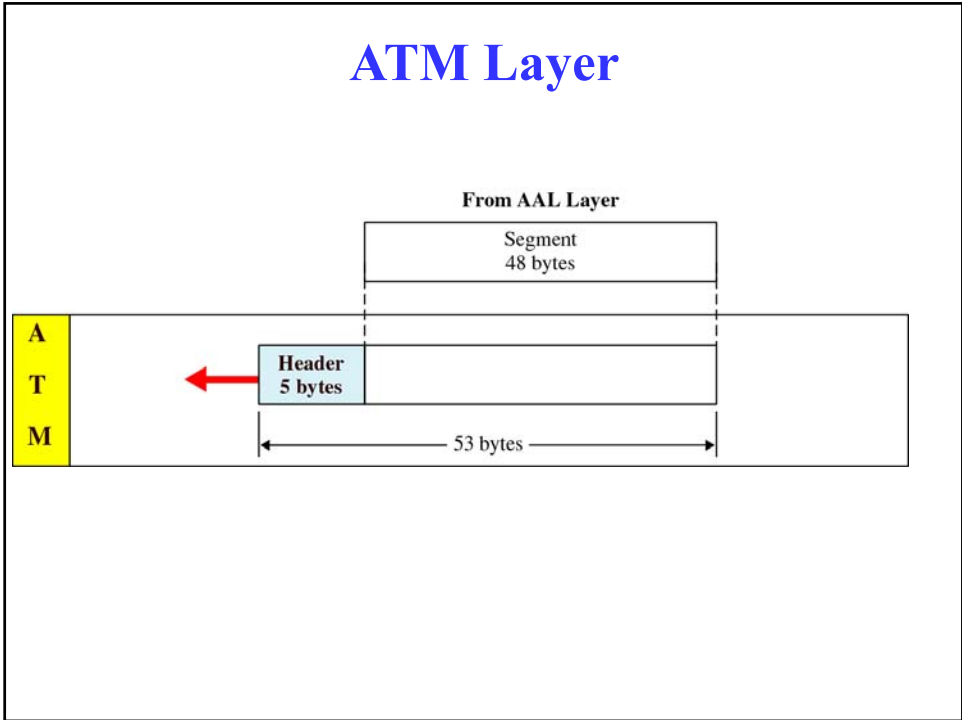


## Multiplexing Using Cells



## ATM Multiplexing





### Connection Identifiers

