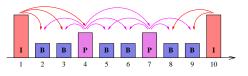


## **VBR Compression**

- Most compression algorithms generate three types of frames:
  - I Frames (intra-coded frames):
    - Still images, just like JPEG
  - P Frames: (predictive frames)
    - encode the differences from the most recent I or P frame
  - B Frames (bi-directional frames):
    - interpolations of the next and previous I or P frames
- The frames are generated in a repeated pattern, called the Group-of-Picture (GOP) pattern, e.g., IBBPBBPBB
- The result is that compressed video is sending at different times at different rates. This is called Variable Bit Rate or VBR.



ECE 466

