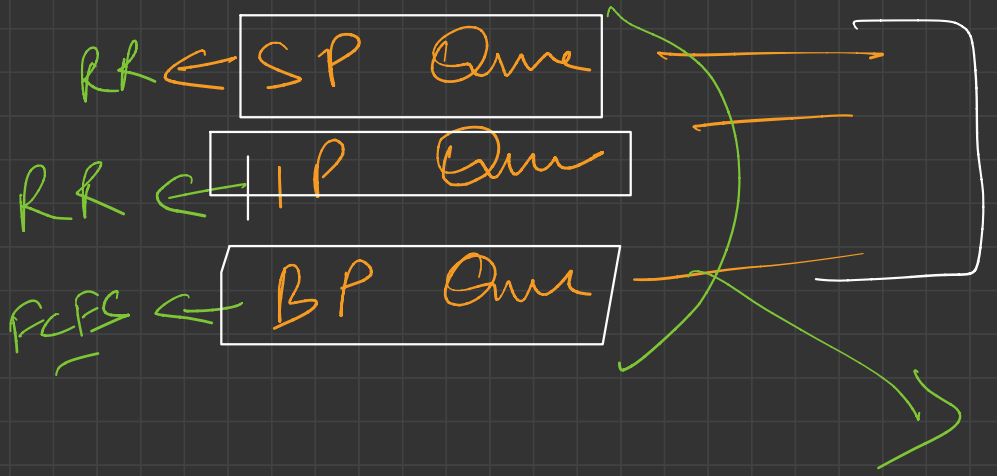
Lec-14

(1) Multi-Level Queue scheduling (MLQ)

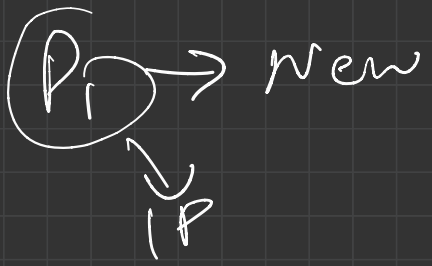
1. System process : Created by OS
2. Interactive process :- User input required.
   (foreground) :-
3. Batch process :- X i/p (No i/p)
   (Background)

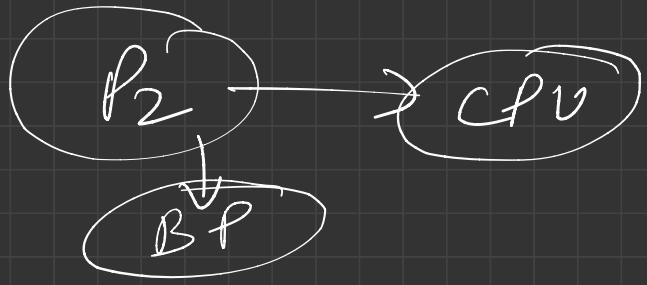


own scheduling

??? scheduling ?

SP > IP > BP





* Multi-level feedback Queue scheduling

- Multiple sub queues
- Inter queue movement is allowed.
- separate process based on BT.
  - BT ↑ → Lower queues
  - I/O bound & interative process higher priority.
  - Ageing method Lower priority process priority ↑.
- flexible
- Configurable OS design

Design of MLFQ :-

1. No. of Queues.
2. Scheduling Algo in each Qu.
3. Method to upgrade a process to a higher Queue.
4. demote a process to Lower priority
5. Process P_i → which Queue will it be Pushed.