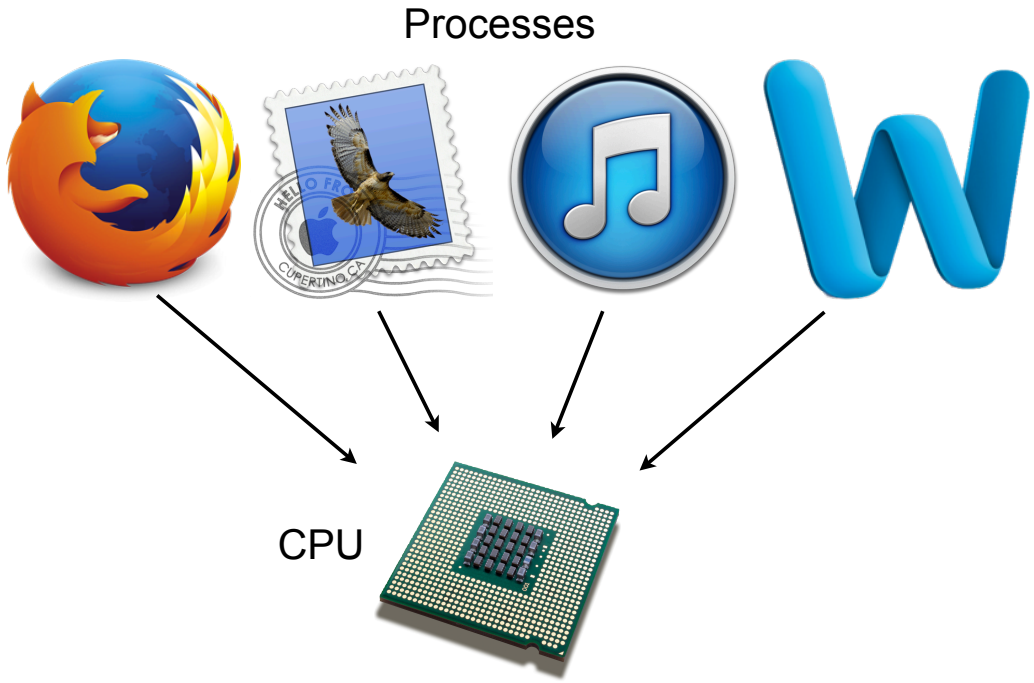
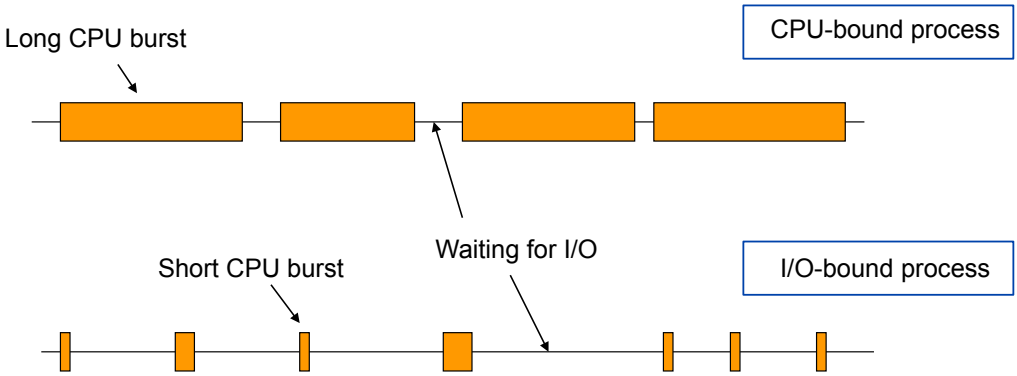
Recap: Processes

- Execution state of a program
- Lifecycle states
- OS representation
- Creation
- Communication

CPU Scheduling



CPU and I/O Bursts

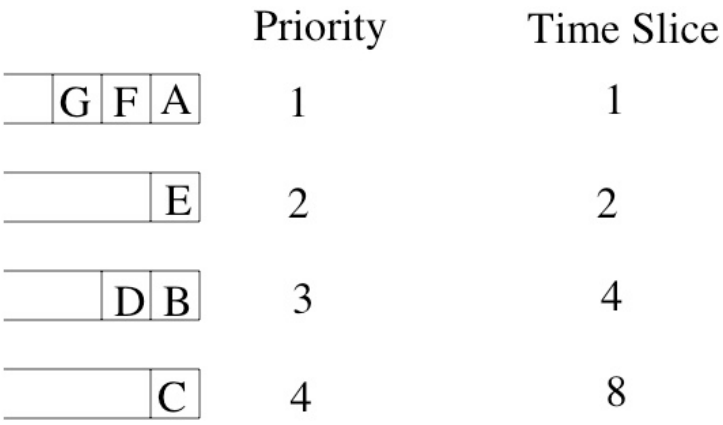


Scheduling Exercise

All arrive at time 0 (in order), 1s timeslice for RR

Job	Length	Completion Time			Wait Time		
		FCFS	RR	SJF	FCFS	RR	SJF
1	**50**						
2	**40**						
3	**30**						
4	**20**						
5	**10**						
Average							

Multilevel Feedback Queues



CPU Scheduling Summary

- Scheduling metrics
- Preemptive and non-preemptive schedulers
- First Come First Serve (FCFS)
- Shortest Job First (SJF)
  - Shortest Remaining Time First (SRTF) variant
- Round-Robin (RR)
- Multilevel Feedback Queues (MLFQ)