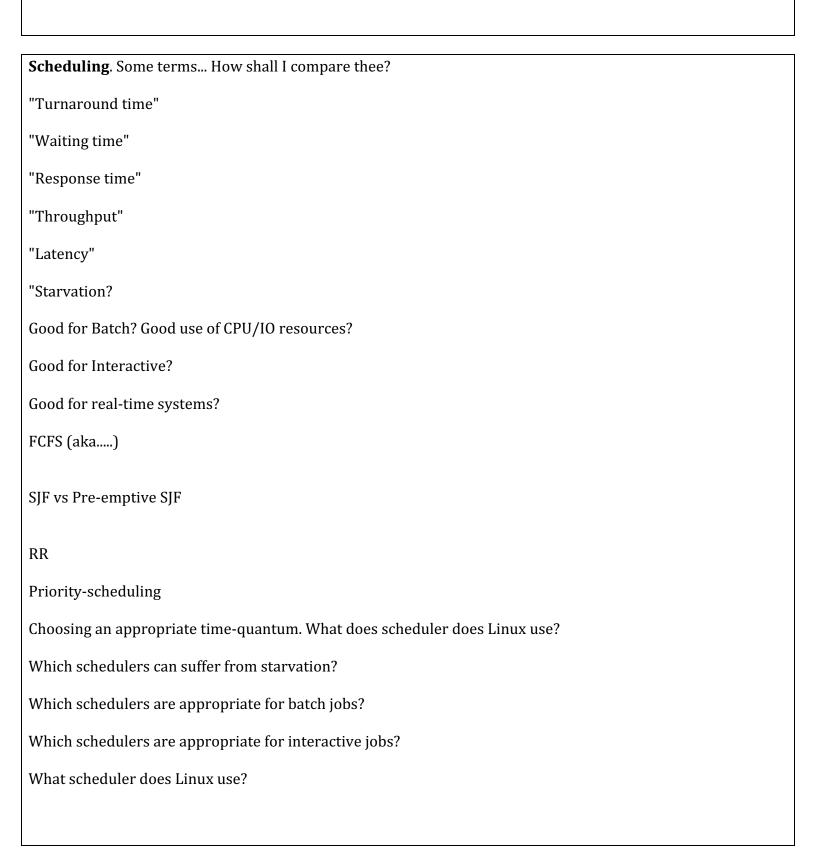
Why might a process be placed on the ready queue?

What is 'wait time'? Total wait time, or the first waiting before it is scheduled the first time?

Write a formula for the wait time based on arrival time, execution time(=duration) and completion time



Determine the scheduling sequence and calculate the average wait time of the following schedulers Tie-break #1: Schedule the earliest arriving job. Tie break #2: P4 is placed on ready queue first

ROUIIU I ODIII TUUAIILA – TUIIIS	Round robin	(quanta = 10ms)
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Process	Arrival Time(ms)	Burst Time(ms)	Wait Time (ms)
P1	0	30	
P2	0	20	
P3	0	20	
P4	10	10	

010	20	30	40	50	60	70	80

Shortest Job First

Process	Arrival Time(ms)	Burst Time(ms)	Wait Time (ms)
P1	0	30	
P2	0	20	
P3	0	20	
P4	10	10	

010	20	30	40	50	60	70	80

First Come First Served (assume arrive in order P1,P2,P3)

Process	Arrival Time(ms)	Burst Time(ms)	Wait Time (ms)
P1	0	30	
P2	0	20	
Р3	0	20	
P4	10	10	

010	20	30	40	50	60	70	80

Pre-emptive Shortest Job First (assume interrupted jobs are placed at the front of the queue)

Process	Arrival T	Burst T	Wait T
P1	0	30	
P2	0	20	
P3	0	20	
P4	10	10	

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010	20	30	40	50	60	70	80
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Pre-emptive Priority (higher value = higher priority)

Process	Arrival	Burst	Priority	Wait
P1	0	30	2	
P2	0	20	4	
P3	0	20	1	
P4	10	10	3	

010	20	30	40	50	60	70	80

What is the Convoy Effect	t (poor I/O	parallelism)?
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