

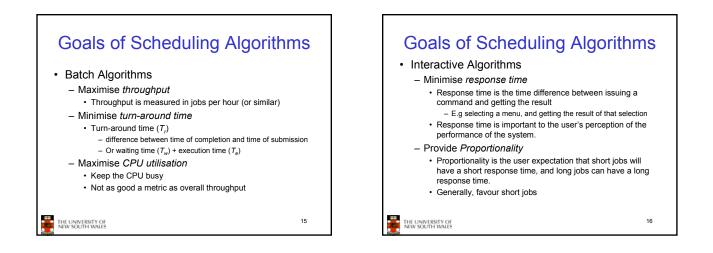
Goals of Scheduling Algorithms All Algorithms Fairness Give each process a *fair* share of the CPU Policy Enforcement

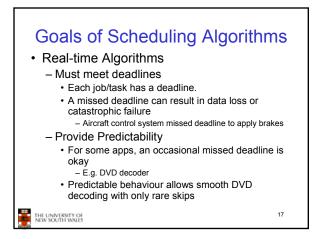
What ever policy chosen, the scheduler should ensure it is carried out

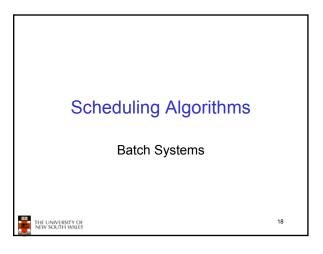
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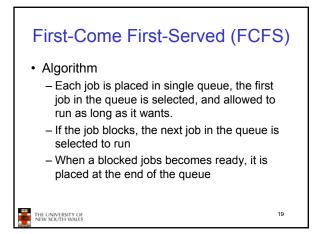
- Balance/Efficiency
 - · Try to keep all parts of the system busy

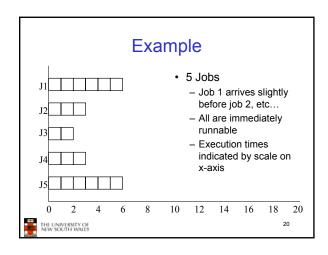
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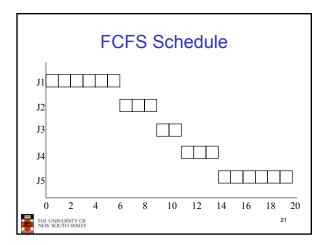


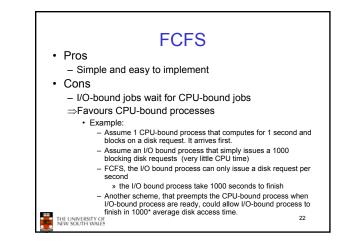


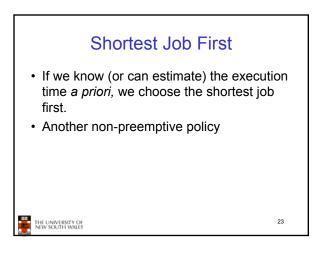


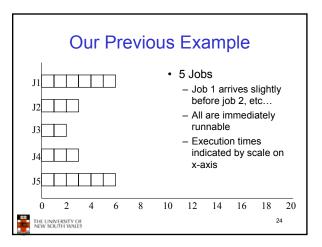


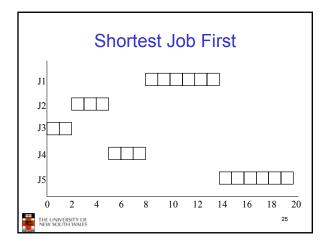


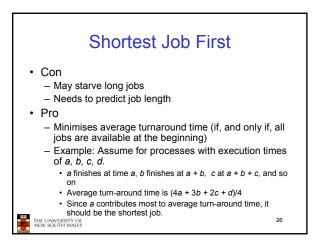




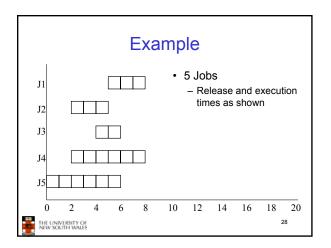


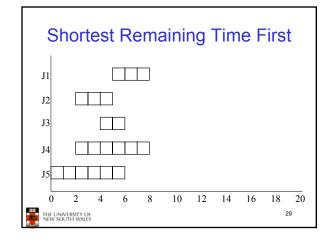


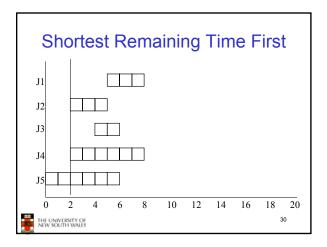


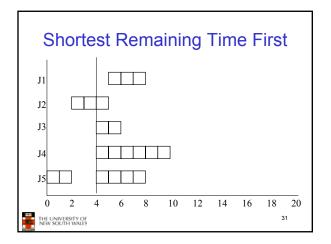


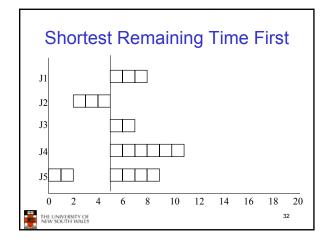


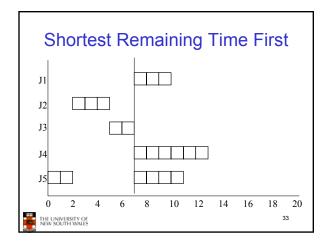


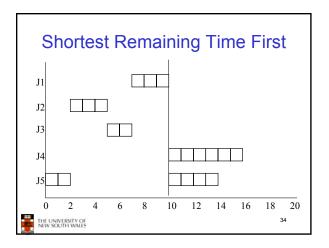


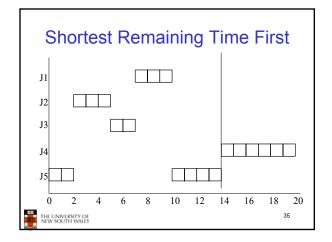


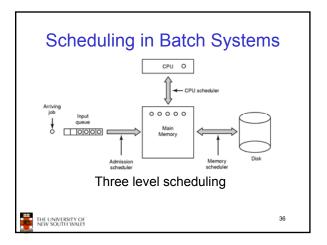


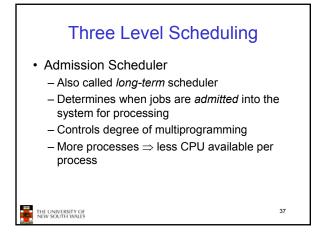












Three Level Scheduling

- · CPU scheduler
 - Also called short-term scheduler
 - Invoked when ever a process blocks or is released, clock interrupts (if preemptive scheduling), I/O interrupts.
 - Usually, this scheduler is what we are referring to if we talk about a scheduler.

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Three Level Scheduling

- Memory Scheduler
 - Also called medium-term scheduler
 - Adjusts the degree of multiprogramming via suspending processes and swapping them out

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