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## **Objectives**

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- Greedy Algorithms
- Interval partitioning
   Minimizing Lateness
- Exchange argument

## Review

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- What is the template for a greedy solution?What problem did we solve optimally with a
- greedy algorithm?

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How did we prove optimality?

## Review: Greedy Algorithms Template Consider jobs (or whatever) in some order

- Decision: What order is best?
- 2. Take each job provided it's compatible with the ones already taken

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- At each step, take as much as you can get
  - Feasible satisfy problem's constraints
  - Locally optimal best local choice among available feasible choices

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Irrevocable – after decided, no going back

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