Greedy Alg
  - Create soln 1 piece at a time
  - To figure out which piece to add next, calculate \( f(i) \) for all \( i \), & choose \( i \) with largest \( f \).

Examples
  - Dijkstra
  - Scheduling

Proof Strategies
  - Loop Invariant (Dijkstra)
  - Exchange
    - Let \( \sigma \) be greedy strategy
    - Suppose for contradiction \( \sigma^* \neq \sigma \) is optimal
    - Show can alter \( \sigma^* \) (by making more like greedy) to get better strategy.