

# Algorithm Design Methods

- Greedy method.
- Divide and conquer.
- Dynamic Programming.
- Backtracking.
- Branch and bound.

# Some Methods Not Covered

- Linear Programming.
- Integer Programming.
- Simulated Annealing.
- Neural Networks.
- Genetic Algorithms.
- Tabu Search.

# Optimization Problem

A problem in which some function (called the **optimization** or **objective function**) is to be optimized (usually minimized or maximized) subject to some **constraints**.