





















## Problem

- Map from a problem specification down to an efficient implementation on a particular computational substrate.
- · What is
  - a specification

- have to do during mapping

- a substrate

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- Any FSM out of gates + registers

14

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13































- Require: formulate problem around relative costs

32

· Simplify problem at cost of generality

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36

## This Class: Technique Toolkit

- Dynamic Programming
- Linear Programming (LP, ILP)
- Graph Algorithms
- Greedy Algorithms
- Randomization
- Search
- Heuristics
- Approximation Algorithms
- SAT

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37





