

## Objectives

Real-world practice: Registrar's problem

Today:

- **Analyze problem**
  - Identify constraints, challenges
  - Ask questions to clarify problem
- **Brainstorm on solutions**
  - What doesn't work?
    - Why not?
  - What may work?
- **For Friday: analysis and possible solutions due**

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## Analysis

For Friday, on Sakai discussion board

Problem

- Brief description of the problem
- The problem's constraints
- The most important constraints
- The biggest challenges

Brainstorm in groups  
Writeup is individual

Discussion

- Problem questions, newly identified constraints

Possible Solutions

- Describe some possible solutions, why they might work, the challenges/limitations of applying the solution to the problem.

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## This Week

Chapter 5: Divide and Conquer

Wednesday: Recurrence relations

- **Book: 5.1-5.2**

Friday: Applying divide and conquer algorithms

- **Book: 5.3-5.5**
- **Problem set given out**

Due Friday: Analysis of problem, possible solutions

- **On Sakai**

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