Institut for Matematik og Datalogi
Syddansk Universitet

February 15, 2002
JFB

# Discrete Mathematics with Applications
# F02 – Lecture 3

## Lecture, February 11

We finished sections 1.4 through 1.7 of chapter 1 and began on sections 3.1 of chapter 3. We also started on the subsection of section 2.3 having to do with division, as a source of examples for proofs.

## Lecture, February 18

We will continue with chapter 3. Lamé's Theorem will be covered in connection with chapter 2, instead of chapter 3. The section of the notes on structural induction will be covered with chapter 3.

## Lecture, February 25

We will finish section 3.3 of chapter 3 and begin chapter 2. We will finish section 2.3, and continue with sections 2.4 and 2.5. Lamé's Theorem from chapter 3 will be covered in connection with section 2.4.

## Problems to be discussed on February 26, with Klaus Meer

- 11, 12, 30, 49 from section 3.1.

- 6, 25, 33, 44, 48, 54 from section 3.2.
  Problem 54 from section 3.2 is a little challenging.
  Try problem 46 using Maple.

- 6, 12, 16 from section 3.3.

## First required assignment

Note that this is an actual assignment which must be approved in order to take the exam in June. You may not work with others on the assignment. It must be turned in by 10:15 on Monday, March 4. If it is late, it will not be accepted. You will not have a chance to redo it.

Do problem 42 from section 3.1, problems 10 and 42b from section 3.2, and problem 10 from section 3.3.