DM528 – Weekly Note 4

Lectures in week 48

Monday, November 28

- Recurrence relations
    - We will finish Section 7.1, covering Examples 6 and 8.
    - Section 7.2: Solving Linear Recurrence Relations
- Inclusion-exclusion
    - Section 7.5: Inclusion-Exclusion
    - Section 7.6: Applications of Inclusion-Exclusion

Thursday, December 1

- Probabilistic Analysis and Randomized Algorithms
  For this lecture we will use the book
    Cormen, Leiserson, Rivest, Stein
    Introduction to Algorithms, 3rd ed.
  which was also used in DM507
    - Section 5.1: The hiring problem
    - Section 5.2: Indicator random variables
    - Section 5.3: Randomized algorithms

Exercises for week 48

Tuesday, November 29 / Wednesday, November 30

- Exam DM504 January 2007, exercise 5 (2006.13.5 on page 22)
- Section 7.2: Exercises 4a,f, 6, 8, 18, 24
- Exam DM528 January 2009, exercise 1

The second mandatory assignment

The second mandatory assignment will be published on the course homepage on Monday, November 28. The deadline for handing in the assignment is Monday, December 12 at 12:15.