Institut for Matematik og Datalogi
Syddansk Universitet

October 31, 2003
JFB

DM19 – Algorithms and Complexity – E03 – Lecture 9

Announcements

On Friday, November 7, and Friday, November 14, the discussion section will be in U82E.

Lecture, October 27

We began on NP-completeness from chapter 34 in the textbook and the section by Papadimitriou and Steiglitz from the first set of notes. This included a brief introduction to undecidability. For more details, see chapter 5 of the textbook by Lewis and Papadimitriou, which is on reserve for DM17 in the library.

Lecture, November 3

We will continue with NP-completeness from chapter 34 in the textbook and the section by Papadimitriou and Steiglitz from the first set of notes.

Lecture, November 10

We will continue with NP-completeness and begin on approximation algorithms from chapter 35 in the textbook.

Problems to be discussed in week 46

- 34.3-7.
- 34.4-4, 34.4-5, 34.3-6, 34.4-7.

- 34.5-1.
- 36-1 – all parts. For the last part, assume that you can find a maximum matching in polynomial time. This part may still be hard since we have not covered matchings in this course.