Institut for Matematik og Datalogi
Syddansk Universitet

February 27, 2012
JFB

DM508 – Algorithms and Complexity – 2012
Lecture 6

Lecture, February 13

We covered Cook's Theorem, proving that SATISFIABILITY from the section by Papadimitriou and Steiglitz from the course notes. We also showed that VERTEX COVER and INDEPENDENT SET are NP-Complete.

Lecture, February 20

We will finish with NP-Completeness, showing that SUBSET SUM is NP-Complete. We will being on amortized analysis from Chapter 17 of the textbook and Fibonacci heaps from chapter 19.

Lecture, February 24

We will cover Fibonacci heaps from chapter 19 in the textbook.

No discussion section on February 29

Problems to be discussed on March 2

Do problems: 17.1-2, 17.1-3, 17.2-3, 17.3-2, 17-3-7, 17-3.