DM508 – Algorithms and Complexity – 2011
Lecture 7

Lecture, February 21

We finished NP-Completeness (finishing a reduction from 3-SAT to HAMILTONIAN CIR-CUIT and covering SUBSET-SUM) and began on amortized analysis from chapter 17 of the textbook, covering up through the accounting method.

Lecture, February 24

We will finish the potential function method from chapter 17, and cover Fibonacci heaps from chapter 19 in the textbook.

Lecture, February 28

We will begin on string matching from chapter 32.

Problems to be discussed on March 3

Do problems:

1. 19.2-1 (20.2.1 in second edition),

2. 19.3-1 (20.3-1 in second edition).

3. 19.4.1 (20.4-1 in second edition).

4. 19-1 (20-1 in second edition).

5. 19-3a (20-2a in second edition).

6. 19-2.