

DM508 – Algorithms and Complexity – F07 Lecture 5

Lecture, February 8

We finished amortized analysis from chapter 17 and began on Fibonacci heaps from chapter 20 in the textbook, covering up through the algorithm for Extract-min, but not the analysis of it.

Lecture, February 13

We will finish with Fibonacci heaps and begin on string matching from chapter 32, covering the first two sections.

Lecture, February 15

We will finish string matching from chapter 32 and begin on NP-completeness, from chapter 34 in the textbook and the section by Papadimitriou and Steiglitz from the course notes.

Problems to be discussed on February 16

- 20.3-1.
- 20.4-1.
- 20-1, 20-2a.
- 32.1-2
- 32.2-1, 32.2-3
- 32.3-1, 32.3-3, (32.3-5 if there is time)