DM508 – Algorithms and Complexity – F07
Lecture 4

Lecture, February 6

We covered sections 3.3 and 3.5 of the DM508 notes, plus median finding from chapter 9 (sections 9.2 and 9.3) in the textbook. We also began on amortized analysis from chapter 17, with a brief introduction and the algorithm for incrementing a binary counter.

Lecture, February 8

We will cover amortized analysis from chapter 17 and begin on Fibonacci heaps from chapter 20 in the textbook.

Lecture, February 13

We will finish with Fibonacci heaps and begin on string matching from chapter 32.

Problems to be discussed on February 14

Do the following problems from the textbook: 17.2-3, 17.3-2, 17-3-7, 17-3, 3.2-7, 20.2-1, 20.2-3, 20.2-5.