DM19 – Algorithms and Complexity – E04 – Lecture 5

Announcement

There will be a colloquium on "Bioinformatics - Biology and Computer Science", by Christian Nørgaard Storm Pedersen, University of Aarhus, on Tuesday, October 19, at 14:15, in IMADA's seminar room. More information is available at http://www.imada.sdu.dk/Events/CS_Colloquia/schedule.html.

Lecture, September 27

We finished amortized analysis from chapter 17 and began on Fibonacci heaps from chapter 20 in the textbook, covering up through section 20.2.

Lecture, October 4

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

No lecture October 11

Lecture, October 18

We will finish with string matching and cover Huffman codes from section 16.3 in the textbook. We may begin on NP-completeness from chapter 34 in the textbook and the section by Papadimitriou and Steiglitz from the notes.

Problems to be discussed October 7 and October 22

- 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)