DM19 – Algorithms and Complexity – E04 – Lecture 6

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, October 4

We finished with Fibonacci heaps and began on string matching from chapter 32, covering through section 32.3.

Lecture, October 18

We will cover section 32.4 on string matching and cover Huffman codes from section 16.3 in the textbook.

Lecture, October 25

We will begin on NP-completeness from chapter 34 in the textbook and the section by Papadimitriou and Steiglitz from the first set of notes. This will include a brief introduction to undecidability. For more details on undecidability, see chapter 5 of the textbook by Lewis and Papadimitriou, which is on reserve for DM17 in the library.

Problems to be discussed October 21 and October 29

1. 32.4-1, 32.4-3, 32.4-4, 32.4-5.

2. 16.3-1, 16.3-2, 16.3-7.