Institut for Matematik og Datalogi
Syddansk Universitet

November 13, 2020
JFB

DM551/MM851 – Algorithms and Probability – 2020
Lecture 16

Announcement

It's time to apply for TA positions for spring 2021. The deadline is November 25. See https://www.sdu.d k/da/service/ledige_stillinger/1132472

Everyone interested should consider applying! Being instructor and having the responsibility of explaining the solution to a problem to fellow students is a very good way of increasing your own understanding. This does not only apply to the material you are instructor in: when you have to explain your solution to others, you become better at identifying the core of a problem and that helps you become a better student also in other courses. If you are in doubt whether you are suitable, or have any other questions about this, you are very welcome to talk to Kristian Debrabant (Mathematics) or Jørgen Bang-Jensen (Computer Science) about it.

Lecture, November 12, online

We finished the applications of the max-flow min-cut theorem from the slides. We covered section 8.1 in Rosen and up through the proof of Theorem 1 in section 8.2. The special case of that proof for Fibonacci numbers was presented first.

Lecture, November 16, online

We will finish section 8.2 in Rosen.

Lecture, November 19, in U48A

We will cover sections 5.1, 5.2, and 5.3 in CLRS.

Problems to be discussed on November 27

1. Exercises not covered yet.
2. Find the solution to $a_n = 7a_{n-2} - 6a_{n-3}$, with $a_0 = 9$, $a_1 = 10$, and $a_2 = 32$.
3. Rosen: section 8.2, exercises 20, 22, 23, 28.