

# DM551/MM851 – Algorithms and Probability – 2020

## Lecture 17

### Announcement

It's still time to apply for TA positions for spring 2021. The deadline is November 25. See [https://www.sdu.dk/da/service/ledige\\_stillinger/1132472](https://www.sdu.dk/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 16, online

We finished section 8.2 in Rosen. (This finishes a question/topic for the oral exam.)

### Lecture, November 19, in U48A

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

### Lecture, November 25, in U55

We will cover sections 5.4.3 and 5.4.4 in CLRS.

### Problems to be discussed on December 2

1. Exercises not covered yet.
2. Exercises in CLRS: 5.2-1, 5.2-2, 5.2-3, 5.2-5, 5.3-2, 5.3-3, 5.3-4.
3. Exercise in CLRS: 5.3-5. How would you check that there are no duplicates? What would you do if you found duplicates?
4. Problem 5-2 in CLRS, pages 143–144.