DM551/MM851 – Algorithms and Probability – 2020 Lecture 7

Announcement

Note that lectures and discussion sessions are scheduled to physically at SDU, starting October 5 (but not necessarily continuing the rest of the semester). Check the schedule for locations. Read the SDU rules about safety with respect to the corona virus.

Lecture, September 28

We finished subsections 7.4.1 through 7.4.7 (except Example 18) of section 7.4. (Example 9 was done using the InsertionSort algorithm on the previous lecture note, along with the analysis there. This is the preferred InsertionSort for this course.)

Lecture, October 1

We will finish section 7.4. We will cover sections 8.5 and 8.6.

Lecture, October 7, in U23

We will cover sections 13.1 and 13.2 in chapter 13 in *Algorithm Design* by Kleinberg and Tardos (available in Course Materials in Blackboard).

Problems to be discussed on October 8/9

1. Finish any problems not finished on October 5/6.

2. Section 8.5: 5, 10, 18, 21.

3. Section 8.6: 3, 8, 10, 14, 16, 22, (prepare 18 in advance and bring to class), 27.