

DM553 – Complexity and Computability – 2018

Lecture 18

Announcement

Class cancelled on May 11 due to holiday.

Lecture, May 2

We covered sections 35.3 and 35.5 from chapter 35. We may also cover approximation algorithms for weighted vertex cover using linear programming and CNF-SAT using randomized rounding from section 35.4.

Lecture, May 9

We will cover section 35.4 and introduce some heuristics for NP-hard problems.

Lecture, May 11

Class cancelled due to holiday.

Lecture, May 15

There will be an an introduction online algorithms. Come with questions about the exam. (Remember to send Joan email if you have a preference for when you should be scheduled, along with the reason for your preference.) There might be a cake.

Problems to be discussed on May 17

Do the following problems in CLRS:

1. Do any problems from earlier weeks which have not been finished.
2. 35.4-4.
3. 35-2. (Note that the k -tuples can have repeated vertices.)
4. 35-4, 35-5.