

DM528: Combinatorics, Probability and Randomized Algorithms — Ugeseddel 2

Stuff covered in week 45: Rosen 5.1-5.6. You should read Section 5.6 yourselves so that you know how to generate all permutations and r combinations of an n -set in lexicographic order.

Lecture Monday November 15, 2010: Rosen Sections 6.1-6.2

Using exercise time: It can be quite difficult to estimate how much time it takes to cover the exercises as it also depends on how well prepared you are. If you have more time left after doing all the exercises you should pick some extra exercises that look challenging/interesting and try to do them together “on-line”.

Exercises Wednesday November 17, 2010:

- Section 5.3: 18, 20, 24, 30, 34, 40
- Section 5.4: 6, 20, 22, 28
- Section 5.5: 4, 10, 14, 16, 20,22, 30, 36,38, 42, 50, 54, 62, 64
- Section 5.6 2, 4,

Exercises Friday November 19, 2010:

- Section 5.6: 6, 10
- Page 390: 48
- Section 6.1: 4,6, 10, 16, 18, 20, 22, 28, 36, 38, 41
- Section 6.2: 6, 12, 16, 18, 32, 34, 36, 38

First obligatory assignment Will be posed on the home page no later than on November 16. It may come earlier, so look for it! You have two weeks to do it.