Randomized Algorithms (DM839) — Ugeseddel 8

NB: There are no classes monday, March 31 and no classes Friday April 4

Stuff covered in week 13

- MU Exercises 7.10, 7.21, 7.22, 7.24

- Color-coding, Section 10.2 in my book (with Gutin) on digraphs. There is a link to a free copy of that on the course page. You should also download the paper "Color-coding: a new method for finding simple paths, cycles and other small subgraphs within large graphs", extended abstract, by Noga Alon et al. Just google the title and you will find it.

Classes Wednesday April 2, 2014

- We will discuss Sections 5 and 6 in the above paper by Alon et al.

- Exercise: Show how to use color coding to test whether a digraph contains two vertex-disjoint directed cycles, each with k vertices.

- MU Exercise 6.3

- MU Exercise 7.6.