Institut for Matematik og Datalogi
Syddansk Universitet – Odense Universitet

September 14, 1999
JFB

DM19 – E99 – Lectures 5 and 6

Lecture, September 8

We discussed the information theoretic lower bounds from section 2.4 from the first set of notes. Then we covered section 3.1, 3.2 and through section 3.3.2 of section 3.3 from the first set of notes.

Lecture, September 10

We finished section 3.3 and covered section 3.5 from the first set of notes and median finding from chapter 10 in the textbook. We began a review of some basic graph theory.

Lecture, September 15

We will continue with some material from sections 5.4, 5.5 and 23.1 on graphs. Then we will review minimum spanning tree algorithms from chapter 24 and introduce matroids from chapter 17.

Lecture, September 17

We will continue with chapter 17, prossibly finishing it. We will skip the section on Huffman coding.

Lectures, Week 38

We will continue with chapter 17. Then we will cover sections 25.3 and 25.4 of chapter 25 (we are skipping the other sections), and all but section 26.4 (which we are skipping) of chapter 26.

Problems to be discussed in week 39

10.3-9, 5-3(a,b), 24.1-3, 24.1-5, 24.2-4, 17.4-1, 17-2(b,d,e,f) (Note that in part b the matrices are over the field containing two elements, so vectors are added using a bitwise exclusive-or. But in part e, the field is the reals, so the vectors are added as real numbers.)

Announcement

There will be a lecture on Friday, October 1, as usual, since U49E is far from where the Årsfest will take place. There will of course also be a lecture on Friday, September 24, despite the typo in the official schedule of courses.