DM823 String Algorithms

Fall 2013

Exam Topics

1. Pattern matching with a sliding window and forward checking

2. Pattern matching with a sliding window and backward checking

3. Suffix arrays, with a focus on searching

4. Suffix arrays, with a focus on building

5. Sorting strings

6. String compression

7. Methods based on dynamic programming.

The exam takes place Thursday, January 23, in O95. The examination time is 30 minutes (including grading, etc.). The exam is with preparation—thus, after you draw a random topic among those above, your are allowed 30 minutes on your own (in O96) to rehearse your presentation. At the exam, you should make a presentation of around 15-18 minutes of the topic (or some central and interesting part of it) using the blackboard (you cannot bring transparencies, however, you can bring a short list of keywords/talk outline, which should be used as sparingly as possible). We may ask brief questions during your presentation. Afterwards, we may ask questions related to the topic, and to the rest of the curriculum. The oral exam is not based on the project of the course.

The exact curriculum is what is mentioned under "Reading" at the course web page.