

Homework 5

Lecturer: Sasha Boldyreva

Due: March 10, 2009

**Assignment 5.01** Do the assigned reading.

**Assignment 5.02** Indicate how much time did you spend on this homework.

In all problems do not just give an answer, but explain your reasoning.

**Problem 5.1, 25 points.** Problem 22 from Section 5.3 of Rosen's textbook.

**Problem 5.2, 5 points.** Problem 24 from Section 5.3 of Rosen's textbook.

**Problem 5.3, 10 points.** Problem 30 from Section 5.3 of Rosen's textbook.

**Problem 5.4, 15 points.** Problem 32 from Section 5.3 of Rosen's textbook.

**Problem 5.5, 25 points.** Problem 10 from Section 5.5 of Rosen's textbook.

**Problem 5.6, 10 points.** Problem 26 from Section 5.5 of Rosen's textbook.