

Homework 6

Lecturer: Sasha Boldyreva

Due: March 31, 2009

Assignment 6.01 Do the assigned reading.

Assignment 6.02 Indicate how much time did you spend on this homework.

In all problems do not just give an answer, but show you reasoning.

Problem 6.1, 10 points. Problem 8 from Section 6.2 of Rosen's textbook.

Problem 6.2, 10 points. Problem 16 from Section 6.2 of Rosen's textbook.
You can use the fact that for any two events E, F : $\overline{E \cap F} = \overline{E} \cup \overline{F}$.

Problem 6.3, 10 points. Problem 26 from Section 6.2 of Rosen's textbook.

Problem 6.4, 10 points. Problem 38b from Section 6.2 of Rosen's textbook.

Problem 6.5, 10 points. Problem 8 from Section 6.3 of Rosen's textbook.

Problem 6.6, 10 points. Problem 16 from Section 6.3 of Rosen's textbook.