Problem Set 7
CPSC 411 Analysis of Algorithms
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The assignment is due Thursday, Nov 05, 2009, before class.

Study Chapter 7 in our textbook and the lecture notes “A Brief Introduction to Probability Theory” [LNP] before attempting these exercises.

Exercise 1. Exercise 1.10 in [LNP]

Exercise 2. Exercise 1.11 in [LNP] (just calculate the expectation)

Exercise 3. Exercise 1.12 in [LNP]

Exercise 4. Problem 7.2 a) on page 160 of our textbook.

Exercise 5. Problem 7.2 b) on page 161 of our textbook.

Exercise 6. Problem 7.2 c) on page 161 of our textbook.

Exercise 7. Assuming (7.7), solve Problem 7.2 e) on page 161 of our textbook.