1 Instruction 3: Selection of exercises from Chapters 2, 3 and 4 of Kulkarni and Handout, Section 2

Theory: paragraph 2.7

Computational Problem:

- 2.45 a) Let t_i (i = 0, 1, ..., 7) be the expected number of time slots before the buffer becomes empty, starting with i (i = 0, 1, ..., 7) packets in the buffer at the beginning of the first time slot. Give the set of equations from which t_i (i = 0, 1, ..., 7) can be calculated.
 - b) Make the task as given in the text of this exercise in the book.

Theory: Handout, section 2

Exercises: 1,2

Theory: paragraphs 3.1, 3.2, 3.3

Computational Problems:

- 3.4 See the text in the book.
- 3.9 See the text in the book.
- 3.10 See the text in the book.

Theory: paragraphs 4.1, 4.2, 4.3

Conceptual Problems:

- 4.1 See the text in the book.
- 4.2 See the text in the book.
- 4.4 See the text in the book.
- 4.5 See the text in the book.
- 4.8 See the text in the book.
- 4.9 See the text in the book.