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Mandatory assignment 2

This is the last of four mandatory assignments in 02157 Functional programming. It is a requirement for exam participation that 3 of the 4 mandatory assignments are approved.

- Your solution should be handed in **no later than Thursday, November 27, 2014**. The mandatory assignments can be solved individually or in groups of 2 or 3 students. If the students in a group do not contribute equally, the role of each student must be explicitly stated.

- To submit you should upload a single F# file (*file*.`fsx` or *file*.`fs`) to CampusNet under Assignment 4. The file should start with full names and study numbers for all members of the group and it should contain the complete program.

- You are going solve Problem 3 from the summer exam 2014 in 02157 Functional programming:
  `http://www.imm.dtu.dk/~mire/FSharpBook/OldExams/02157-2014summer.pdf`.

- Each function declaration in your solution should be accompanied with a few test examples.