

Exercise 10

The purpose of this exercise is to familiarize with the implementation of procedures (functions) in the processor MIPS assembly language.

The task to perform:

1 Write a program that sorts the given sequence of integers using bubble-sort algorithm.

- a. Structure of the program should be as follows: "The master" is responsible for communication with the user - input and output of the program. Sorting algorithm should be implemented as a procedure called from the main module.
- b. Modify the program written in paragraph (a) in such a way that swap of two elements is carried out by a procedure called by the sorting procedure.
- c. What are the differences in the versions (a) and (b), of course, except for an additional procedure ?