DATA STRUCTURES AND ALGORITHMS

PRACTICE No. 10

Exercises

Exercise No.1

Compare running time of the Quick sort algorithm, when pivot is:

- the leftmost element
- the rightmost element
- random index of the array
- middle index of the array

Homework

No.2

Analyze structure of BMP file
http://en.wikipedia.org/wiki/BMP_file_format

Sort pixels of BMP file based on code of red (blue, green) color and make output to a new BMP file.

Compare running time of slow and fast sorting algorithms.

Recommendation: use the library for BMP file handling (EasyBMP)*.*