

Exercise 2

7 min

2p a) Read the whole problem before starting working on it. Given an array of N integers, re-arrange integers in the array such that the global sum listed below is maximum.

$$\sum_{i=0}^{n-1} a[i] \cdot i$$

The following code snippet attempts to solve the problem stated above.

You have to read the algorithm and describe the strategy used to implement it. Don't describe the code. Describe the strategy and its motivation as briefly as possible.

1p b) What is **memoization** and how does it help?