Ministry of Education and Science of Ukraine

National Technical University of Ukraine

«Kyiv Polytechnic Institute. Igor Sikorsky »

Faculty of Informatics and Computer Technologies

Department of Computer Engineering

LAB № 3

from the discipline "Theory of Algorithms"

on the topic «Quick sort method»

PERFORMED BY:

1st year student

group ІП-93

Zavalniuk M.E.

The credit - 9312

Variant – 12

CHECKED:

Associate Professor of OT

c.t.s.,s.r.

Antoniuk А.І.

Kiev - 2020

**TASK**

**Goal:**

implementation of three modifications of the Quick Sort algorithm and comparison of their performance.

**Option task:**

Implement three modifications of the Quick Sort algorithm and compare their performance. The speed of the algorithms is compared on the basis of counting the number of comparisons of the array elements during the operation of the algorithms.

**CODE**

**RESULTS OF THE PROGRAM WORK**

**CONCLUSIONS**