Title

Name and ID

Abstract—In this work... For this,... The results obtained... In conclusion,... (everything in *one* paragraph).

I. Introduction

THIS WORK... Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

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II. METHODOLOGY

To answer this question... Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

The code is shown in the appendix. It is based on the pseudocode in the book of Cormen et al [?]. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

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Table I EXECUTION TIME OF SORTING ALGORITHMS.

		Time (ms) Execution					
Algorithm	Size (k)	1	2	3	4	5	Mean
Selection	10	12.3	12.3	12.3	12.3	12.3	12.3
	20	12.3	12.3	12.3	12.3	12.3	12.3
	30	12.3	12.3	12.3	12.3	12.3	12.3
	40	12.3	12.3	12.3	12.3	12.3	12.3
Insertion	10	12.3	12.3	12.3	12.3	12.3	12.3
	20	12.3	12.3	12.3	12.3	12.3	12.3
	30	12.3	12.3	12.3	12.3	12.3	12.3
	40	12.3	12.3	12.3	12.3	12.3	12.3
Merge	10	12.3	12.3	12.3	12.3	12.3	12.3
	20	12.3	12.3	12.3	12.3	12.3	12.3
	30	12.3	12.3	12.3	12.3	12.3	12.3
	40	12.3	12.3	12.3	12.3	12.3	12.3

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III. RESULTS

The execution time of running teach of the algorithms several times is shown in Table I. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

The mean execution times are plotted in Figure 1. The shape of the curves was not as expected because we made up the numbers. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

For comparison purposes, the curves are shown together in the same graph in Figure 2. No comments... Lorem ipsum

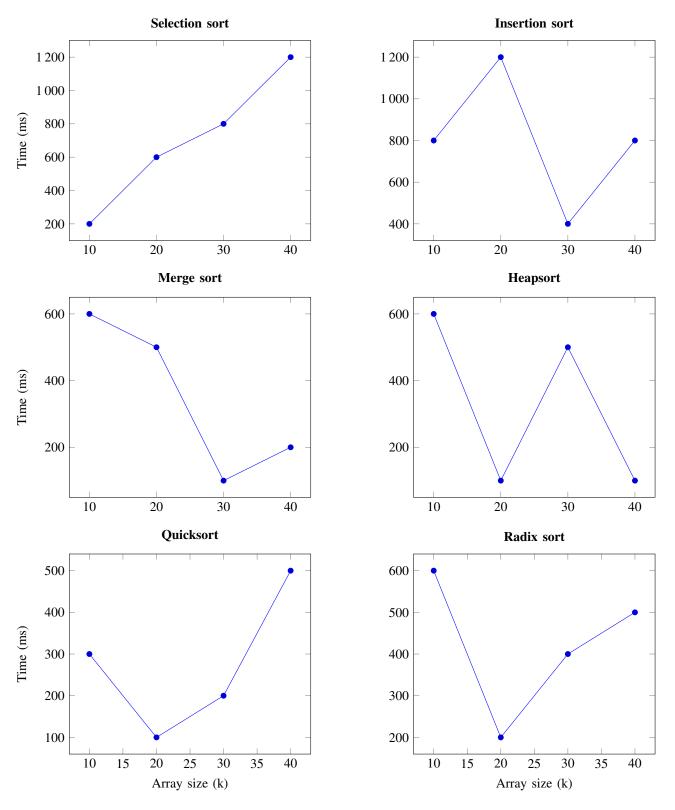


Figure 1. Average execution time of sorting algorithms.



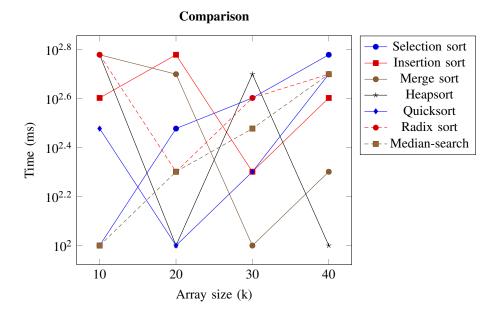


Figure 2. Comparing mean running times of sorting algorithms.

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IV. CONCLUSIONS

From the results we conclude that... Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

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APPENDIX A CODE

Algorithms 1 and 2 show the code used in this work.

Algorithm 1 Algorithm that displays Tico's most popular expression.

```
int main() {
     cout << 'Pura_vida!\n';
    return 0;
}</pre>
```

Replace this box by an image with a width of 1 in and a height of 1.25 in!

Your Name All about you and the what your interests are.

4

Algorithm 2 First program of any Computer Science student. If the code does not fit in one column, use the "span columns" option in the settings of the float (just like this floating algorithm). In LATEX use the *starred* version of algorithm (i.e., \begin{algorithm*} and \end{algorithm*})

```
#include <iostream>
int main()
{
    std::cout << "Hello,_world!\n";
}</pre>
```