

Ahmet Fırat Gamsız 2020400180

I worked on the following parts in this project:

- Theoretical Analysis: I conducted the theoretical analysis of the best, average and worst cases of the first three basic operations.
- Code: I wrote the python code first using Jupyter Notebooks for ease of programming and then refactored the code as Python file. I generated relevant inputs for the cases, implemented the given algorithm, run it for required sizes, save them in a csv file and created graphs for the real execution times.
- Report: I wrote equations and explanations in the MS Word for the first three operations. I crosschecked Ali Tarik's sections and did some corrections. I filled the "time elapsed"s in the real execution tables. I did visual enhancement in the report including keeping font and color consistent and adjusting graph sizes.
- I wrote README.md to facilitate the code execution.
- I wrote this text that explains what I have done in this project.