

CMPE 300: Analysis of Algorithms

Project 1

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I worked on the following parts in this project:

- * I implemented the theoretical analysis for best-case, worst-case and average-cases of basic operations (1) and (4).
- * Since I implemented the theoretical analysis for the basic operation (4), and selected actual basic operation is again (4), I also implemented worst-case and best-case input cases in the code, wrote the function (named as `def worstCaseIndexSwitch(index, n)`) to find the *i*th index in the worst-case.
- * I wrote all of the theoretical analysis with explanations to the report.
- * I wrote comments to the best-case analysis using the graphs.
- * I wrote comments to the worst-case analysis using the graphs.
- * I wrote comments to the average-case analysis using the graphs.