CS337 PROJECT 3
STRING MATCHING ALGORITHMS

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1. Introduction

The goal of this assignment is to implement and analyze the performance of several popular string matching algorithms. The algorithms are:

- Naïve
- Rabin-Karp
- Knuth-Morris-Pratt
- Boyer-Moore

In this report, we will describe the results of comparing the efficiency of the algorithms against each other. There are several metrics that are useful for string searching algorithm performance analysis: runtime, number of comparisons, worst and best case performance; each one of those metrics will be used in our analysis.