

Ian Buitrago
John Richter
4-30-2012

CS 337 project 3: string matching Report

First we compare the brute force algorithm to the other 3 algorithms, Rabin-Karp, Kunth-Morris-Pratt, and Boyer-Moore.

Now we will compare 2 different hash algorithms. `hash()` is a linear sum of the ascii values of the characters in the alignment or pattern. `hashBase()` treats the string as a base 246 number with each term modded by a prime, 31, 127, or 518. Then we will compare the collisions with the different mod values.