

Note: Did not know which 100 words to take from the microsoft webpage with all the titles and everything on that page so I just imported the URL. Will do other tests on english text and DNA

Number of Comparisons	KMP	Boyer-Moore	Brute Force	Rabin Karp
Default Text	2185	1238	1170	1096
DNA Sequence 2 char pattern	29832	16331	12522	9999
DNA Sequence 6 char pattern	29638	5436	13357	9995
DNA Sequence 18 char pattern	28286	8579	13377	9988
Shakespeare "ed"	226455	82861	85349	76127
Shakespeare "and"	226052	45831	81404	76126
Shakespeare "thy self thy"	222486	12360	85832	76119

Notes: KMP does not seem too efficient in the context of number of comparisons, since it effectively compares at least once per index, plus 1-2 more times.

Did not take time of computation of hash function for Rabin Karp into account, only number of comparisons

The larger the pattern, the more effective Boyer-Moore is