Many problems encountered require string searching to solve them. Thus, string searching algorithms are important. They play the vital role in various fields and applications, including text editing, finding part of DNA in bioinformatics engineering, text searching, computer security, linguistics, artificial intelligence and web search engines. In this paper, a string searching algorithm is proposed. The proposed algorithm aims to improve the brute-force searching algorithm. It finds all the occurrences of a pattern within a given text. The pattern and the text are to be preprocessed before the actual searching starts.

References


Index Terms

Computer Science          Algorithms
Keywords

Searching, text, pattern, segment, string matching, string searching, pattern matching.