Applying Bi-Directional Search Strategy in Selected String Matching Algorithms

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Abstract

String matching is an important problem in computer science having several practical applications. In this paper, we apply bi-directional searching mechanism in exact string matching algorithms: Boyer Moore, Brute Force, Knuth- Morris Pratt, and Rabin Karp. Experiments show that this strategy leads to better efficiency of these string matching algorithm.

References

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Index Terms

Computer Science, Algorithms

Keywords

Boyer Moore Algorithm, Brute Force Algorithm, Knuth- Morris Pratt Algorithm, Rabin Karp Algorithm