Abstract

The Subset Sum Problem is an important problem in Complexity Theory, Bin Packing and Cryptography. The Subset Sum Problem is NP Complete. In this paper we are introducing a new technique to find the solution of Subset Sum Problem. There are many algorithms based on greedy approach and lattice based reduction and many more approaches has been suggested earlier but suggested approach is based on the simple mathematics concept and binary search.

References

- Harsh Bhasin and Neha Singla, "Harnessing Cellular Automata and Genetic Algorithms to solve Travelling Salesman Problem".
- S. Martello and P. Toth, Worst case analysis of greedy algorithms for the subset sum problem.

Index Terms

Computer Science
Algorithms

Keywords
Subset Sum binary search