Abstract

The Subset-sum Problem is one of the easiest to describe and understand NP-complete problems. Available algorithms that solve this problem exactly need an exponential time, thus finding a solution to this problem is not currently feasible. The current paper revisits the subset-sum problem and suggests a new approach to find an approximate solution to this problem. The proposed algorithm gives a reasonable solution with a polynomial time-complexity.

References

The Subset-Sum Problem: Revisited with an Improved Approximated Solution


Index Terms

Computer Science Applied Mathematics

Keywords

NP-complete problem the subset-sum problem