Abstract

Many real life situations for which there are no optimization algorithms which can solve polynomial time problems in the worst case. So researchers are trying for new approximation algorithms for such kinds of situations. Approximation algorithms give the solution which is close to the optimal solution of a particular situation. Traveling Salesman Problem (TSP) is a typical NP complete problem which lacks polynomial time algorithm. In this paper it is proposed an edge removal algorithm, which will give the nearly optimal solution within a limited time.
A Note on Computational Approach to Travelling Salesman Problem

- Prof. Lenore Cowen, Scribe: Stephanie Tauber, Lecture notes on "The Travelling Salesman Problem (TSP)." Comp60: Advanced Algorithms, Tufts University, Spring 2002.

Index Terms

Computer Science Algorithms
Keywords

Edge Removal Algorithm  Compression Algorithm  Back Tracking.