Abstract

As the name suggests, Single source shortest path is a technique to find the shortest path corresponding to a source vertex. Single source can be implemented using greedy and dynamic approach. There are many approaches proposed for the same. The idea is to minimize the complexity of the algorithm. This paper presents a review of different algorithm proposed for this technique and compares the complexity and efficiency of each approach. It analyzes each algorithm and takes into account the different parameters involved and hence provide an overview of it. It helps us to know various advantages proposed by different algorithm.

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Index Terms
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Keywords

Single Source Shortest Path(SSSP), Li-Qi(LQ), SIMD(Simple Instruction Multiple Data), SPFA(Shortest Path Faster Algorithm), Algebraic Decision Diagram(ADD).