Analysis of Searching Deterministic Shortest Path Algorithms (Depth First Search, Breadth First Search, Uniform Cost Search)

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Abstract

This paper is intended to implement shortest path way of transportation. To efficiently extract knowledge, Depth First Search (DFS), Breadth First Search (BFS), Uniform Cost Search (UCS) algorithms depend on the efficient processing of nodes. Using these algorithms, nodes will be retrieved on specific path. Specified answering can provide the end user on city and traveler can explore the directory information. It is intended to analysis the DFS, BFS and UCS algorithms for implementing and designing the model of transportation. It emphasizes the shortest path way system. This system is implemented by using J# programming language and data storage for Microsoft SQL server.