Searching Shortest Path for Military Map

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Abstract

Combinatorial reasoning underlines all analysis of computer systems. It plays a similar role in discrete operational research problems. Two of the most basic mathematical aspects of computer science concern the speed and logical structure of a computer program, Dijkstra's algorithm solve the single source shortest path problem for a non-negative weights graph. It finds the shortest path from an initial vertex to all the other vertices. This system applies the Dijkstra's algorithm that search the shortest path. This paper presents searches the Line of Operation on the Military Map. The system is already implemented to reduce the time consuming by searching the shortest path on the Military Map.