Republic of Iraq
Ministry of Higher Education and
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University of Babylon
College of Information Technology
Network Department

Minimal Path Problem

A Graduate Project
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Abstract

It is a topic that focuses on finding the optimal way to get from one point to another in a complex network or system. This is usually done by providing solutions to the problem of the least cost or shortest route between certain points in the network, using a variety of algorithms such as Dijkstra's algorithm.

It is an algorithm used in many applications, such as improving traffic or improving delivery plans. It tries to find the shortest path between the given points by setting initial values   for the distances between the points and updating these values   with each attempt to reach the different points. This algorithm was developed by the Dutchman Edssacher Dijkstra in 1959, It was published three years later.