



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. Which of the following applications can Dijkstra's algorithm be used for?

- A. Finding the minimum spanning tree
- B. Routing in computer networks
- C. Sorting a list of numbers
- D. Searching for an element in a database

Solution: Dijkstra's algorithm is commonly used in routing algorithms for computer networks to find the shortest path for data packets.

Q2. In which scenario would you prefer using Dijkstra's algorithm over A* search algorithm?

- A. When you need to find the shortest path in a grid
- B. When the heuristic is not available
- C. When the graph has negative weights
- D. When you need to find all paths

Solution: Dijkstra's algorithm is preferred when there is no heuristic available, as A relies on heuristics to guide its search.*



