SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. What is the main advantage of using a priority queue in Dijkstra's algorithm?

A. It allows for faster insertion of nodes
B. It ensures that the node with the smallest distance is processed next
C. It reduces the space complexity
D. It simplifies the implementation

Solution: Using a priority queue allows Dijkstra's algorithm to efficiently retrieve and process the node with the smallest tentative distance next.

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