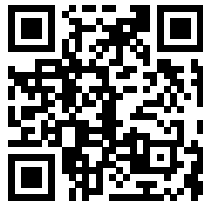




# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**Q1. Which of the following is a valid implementation detail of Dijkstra's algorithm?**

- A. Using a depth-first search approach
- B. Updating the distance of adjacent nodes only if they are visited
- C. Using a priority queue to select the next node
- D. Storing all nodes in a single array

*Solution: Dijkstra's algorithm uses a priority queue to efficiently select the next node with the smallest tentative distance.*



