



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

## **General Questions**

Practice Questions



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**Q1. Which of the following is NOT a step in Dijkstra's algorithm?**

- A. Initialize distances
- B. Select the node with the smallest distance
- C. Update distances of adjacent nodes
- D. Sort the entire graph

*Solution: Dijkstra's algorithm does not require sorting the entire graph; it focuses on updating distances based on the selected node.*

**Q2. How does Dijkstra's algorithm handle nodes that have already been visited?**

- A. It ignores them
- B. It re-evaluates their distances
- C. It adds them to a stack
- D. It removes them from the graph

*Solution: Once a node has been visited and its shortest distance determined, Dijkstra's algorithm ignores it in future iterations.*



