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General Questions

Practice Questions

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.

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