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General Questions

Practice Questions

Q1. What happens if Dijkstra's algorithm encounters a negative weight edge?

A. It will still find the shortest path.
B. It will fail to find a solution.
C. It will ignore the edge.
D. It will return an incorrect path.

Solution: Dijkstra's algorithm does not handle negative weight edges correctly, which can lead to incorrect paths.

Q2. In which scenario is Dijkstra's algorithm not suitable?

A. Finding the shortest path in a road network
B. Finding the shortest path in a graph with negative weights
C. Finding the shortest path in a weighted graph
D. Finding the shortest path in a tree

Solution: Dijkstra's algorithm is not suitable for graphs with negative weights, as it can produce incorrect results.

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