



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

### **General Questions**

Practice Questions



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**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.*



