



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

## **General Questions**

Practice Questions



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**Q1. In a graph, if there are multiple paths to a node, how does Dijkstra's algorithm determine which path to take?**

- A. It chooses the path with the most edges
- B. It chooses the path with the least weight
- C. It randomly selects a path
- D. It chooses the first path it encounters

*Solution: Dijkstra's algorithm always chooses the path with the least cumulative weight to ensure the shortest path is found.*



