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General Questions

Practice Questions

Q1. Which algorithm is typically used to find the shortest path in a weighted graph?

A. BFS
B. DFS
C. Dijkstra's Algorithm
D. Prim's Algorithm

Solution: Dijkstra's Algorithm is used to find the shortest path in a weighted graph.

Q2. What is the primary difference between BFS and DFS?

A. BFS uses a stack, DFS uses a queue
B. BFS explores nodes level by level, DFS explores as far as possible along a branch
C. BFS is faster than DFS
D. DFS is always more memory efficient than BFS

Solution: The primary difference is that BFS explores nodes level by level, while DFS explores as far as possible along a branch before backtracking.

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