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General Questions

Practice Questions

Q1. Which algorithm is best suited for finding connected components in a graph?

A. BFS
B. DFS
C. Dijkstra's Algorithm
D. A* Search

Solution: DFS is often used to find connected components in a graph by exploring all reachable nodes from a starting node.

Q2. Which of the following statements about BFS and DFS is false?

A. BFS can find the shortest path in unweighted graphs
B. DFS can be more memory efficient than BFS
C. BFS uses a stack
D. DFS can be implemented recursively

Solution: BFS uses a queue, not a stack, which is a key difference from DFS.

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