SoulShift

SoulShift – Educational Q&A Platform

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.