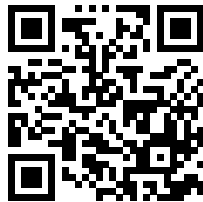




SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What is the primary use of dynamic programming in real-world applications?

- A. Sorting data
- B. Finding shortest paths
- C. Searching in databases
- D. Data compression

Solution: Dynamic programming is primarily used for optimization problems, such as finding the shortest paths in graphs.

Q2. Which algorithm uses dynamic programming to solve the longest common subsequence problem?

- A. Dijkstra's Algorithm
- B. Floyd-Warshall Algorithm
- C. LCS Algorithm
- D. Merge Sort

Solution: The Longest Common Subsequence (LCS) problem is solved using a dynamic programming approach.



