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SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. What is the primary goal of dynamic programming?

A. To minimize space usage
B. To find the optimal solution
C. To sort data efficiently
D. To traverse graphs

Solution: The primary goal of dynamic programming is to find the optimal solution to problems by breaking them down into simpler subproblems.

Q2. Which of the following is a common application of dynamic programming in numerical applications?

A. Matrix multiplication
B. Finding the shortest path
C. Sorting algorithms
D. Binary search

Solution: Finding the shortest path in a graph is a common application of dynamic programming.

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