



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What is the main advantage of using a Fibonacci heap in Dijkstra's algorithm?

- A. It simplifies the implementation
- B. It reduces the time complexity to $O(E + V \log V)$
- C. It allows for negative weights
- D. It uses less memory

Solution: Using a Fibonacci heap can reduce the time complexity of Dijkstra's algorithm to $O(E + V \log V)$, making it more efficient for dense graphs.



