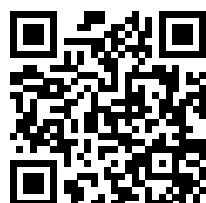




SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What is the time complexity of a depth-first search (DFS) on a graph with V vertices and E edges?

- A. $O(V + E)$
- B. $O(V)$
- C. $O(E)$
- D. $O(V^2)$

Solution: DFS visits each vertex and edge once, leading to a time complexity of $O(V + E)$.



