



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



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

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

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

Q2. What is the time complexity of deleting an element from a stack?

- A. $O(1)$
- B. $O(n)$
- C. $O(\log n)$
- D. $O(n^2)$

Solution: Deleting an element from a stack (pop operation) is done in constant time, hence $O(1)$.



