



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**Q1. What is the time complexity of a breadth-first search (BFS) in a graph?**

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

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



