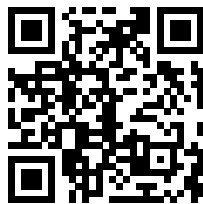




# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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

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

*Solution: The time complexity of performing a breadth-first search (BFS) on a graph is  $O(V + E)$ , where  $V$  is the number of vertices and  $E$  is the number of edges.*



