



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What is the time complexity of enqueue and dequeue operations in a queue implemented using a linked list?

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

Solution: Both enqueue and dequeue operations can be performed in constant time $O(1)$ in a linked list implementation.

Q2. What is the time complexity of searching for an element in an unsorted linked list?

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

Solution: Searching in an unsorted linked list requires traversing the list, leading to $O(n)$ time complexity.



