SoulShift

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.

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