SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. What is the height of a balanced binary tree with n nodes?

A. O(n)
B. O(log n)
C. O(n log n)
D. O(1)

Solution: The height of a balanced binary tree with n nodes is O(log n).

Q2. Which of the following algorithms can be used to find the lowest common ancestor in a binary tree?

A. Depth-first search
B. Breadth-first search
C. Dynamic programming
D. Binary search

Solution: Depth-first search can be used to find the lowest common ancestor in a binary tree.