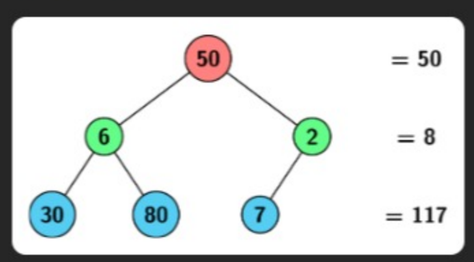
3157. Find the Level of Tree with Minimum Sum Premium

Medium | Topics | Companies | Hint

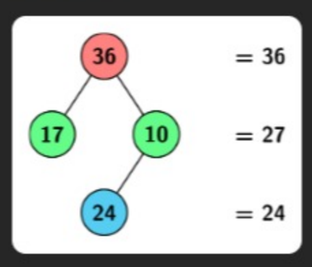
Given the root of a binary tree `root` where each node has a value, return the level of the tree that has the **minimum** sum of values among all the levels (in case of a tie, return the **lowest** level).

Note that the root of the tree is at level 1 and the level of any other node is its distance from the root + 1.

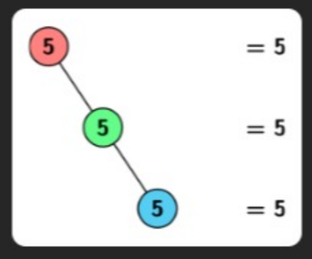
Example 1:

> **Input:** `root = [50,6,2,30,80,7]`
>
> **Output:** 2
>
> **Explanation:**
>
> 
>

Example 2:

> **Input:** `root = [36,17,10,null,null,24]`
>
> **Output:** 3
>
> **Explanation:**
>
> 
>

Example 3:

> **Input:** `root = [5,null,5,null,5]`
>
> **Output:** 1
>
> **Explanation:**
>
> 
>

Constraints:

- The number of nodes in the tree is in the range $[1, 10^5]$.
- $1 <= Node.val <= 10^9$

Seen this question in a real interview before? 1/5

Yes No

Accepted 1.7K | Submissions 2.5K | Acceptance Rate 67.8%

Topics

Tree Depth-First Search Breadth-First Search Binary Tree

Companies

0 - 6 months

Microsoft 2

Hint 1

Run a DFS on the tree and update an array sum where sum[i] is the sum for level i.

Hint 2

The answer is the first minimum element of sum.

Similar Questions

Kth Largest Sum in a Binary Tree Medium

Discussion (4)