272. Closest Binary Search Tree Value II Premium

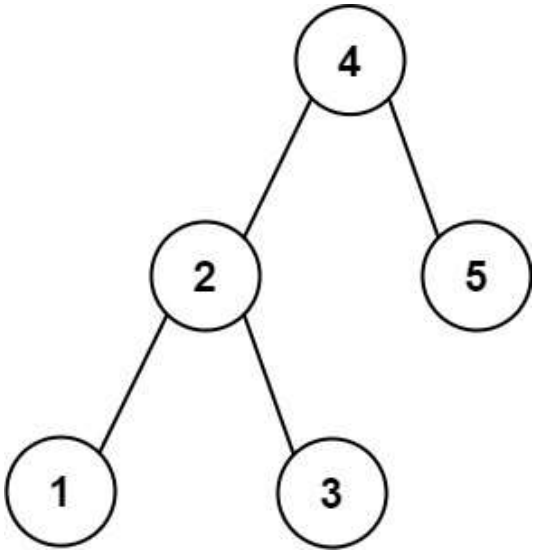
Solved

Hard Topics Hint

Given the `root` of a binary search tree, a `target` value, and an integer `k`, return *the* `k` *values in the BST that are closest to the* `target`. You may return the answer in **any order**.

You are **guaranteed** to have only one unique set of `k` values in the BST that are closest to the `target`.

Example 1:



> **Input:** root = [4,2,5,1,3], target = 3.714286, k = 2
> **Output:** [4,3]

Example 2:

> **Input:** root = [1], target = 0.000000, k = 1
> **Output:** [1]

Constraints:

- The number of nodes in the tree is `n`.
- `1 <= k <= n <= 10^4`.
- `0 <= Node.val <= 10^9`
- `-10^9 <= target <= 10^9`

Follow up: Assume that the BST is balanced. Could you solve it in less than `O(n)` runtime (where `n = total nodes`)?

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

Yes No

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Topics

Hint 1

Hint 2

Hint 3

Hint 4

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