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333. Largest BST Subtree

Medium

537

52

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Given a binary tree, find the largest subtree which is a Binary Search Tree (BST), where largest means subtree with largest number of nodes in it.

Note:

A subtree must include all of its descendants.

Example:

Input: [10,5,15,1,8,null,7]

```

    10
   /  \
  5    15
 /  \  \
1    8  7
  
```

Output: 3

Explanation: The Largest BST Subtree in this case is the highlighted one. The return value is the subtree's size, which is 3.

Follow up:

Can you figure out ways to solve it with $O(n)$ time complexity?

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Seen this question in a real interview before?

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