

# Width of a Shadow of a binary tree

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```
#         self.right = right
import sys
class Solution:
    def widthOfBinaryTree(self, root: Optional[TreeNode]) -> int:
        minHL = [sys.maxsize]
        maxHL = [-sys.maxsize]
        self.helper(root, 0, minHL, maxHL)
        return maxHL[0] - minHL[0]

    def helper(self, root, level, minHL, maxHL):
        if root is None:
            return
        self.helper(root.left, level-1, minHL, maxHL)
        self.helper(root.right, level+1, minHL, maxHL)
        minHL[0] = min(level, minHL[0])
        maxHL[0] = max(level, maxHL[0])
```