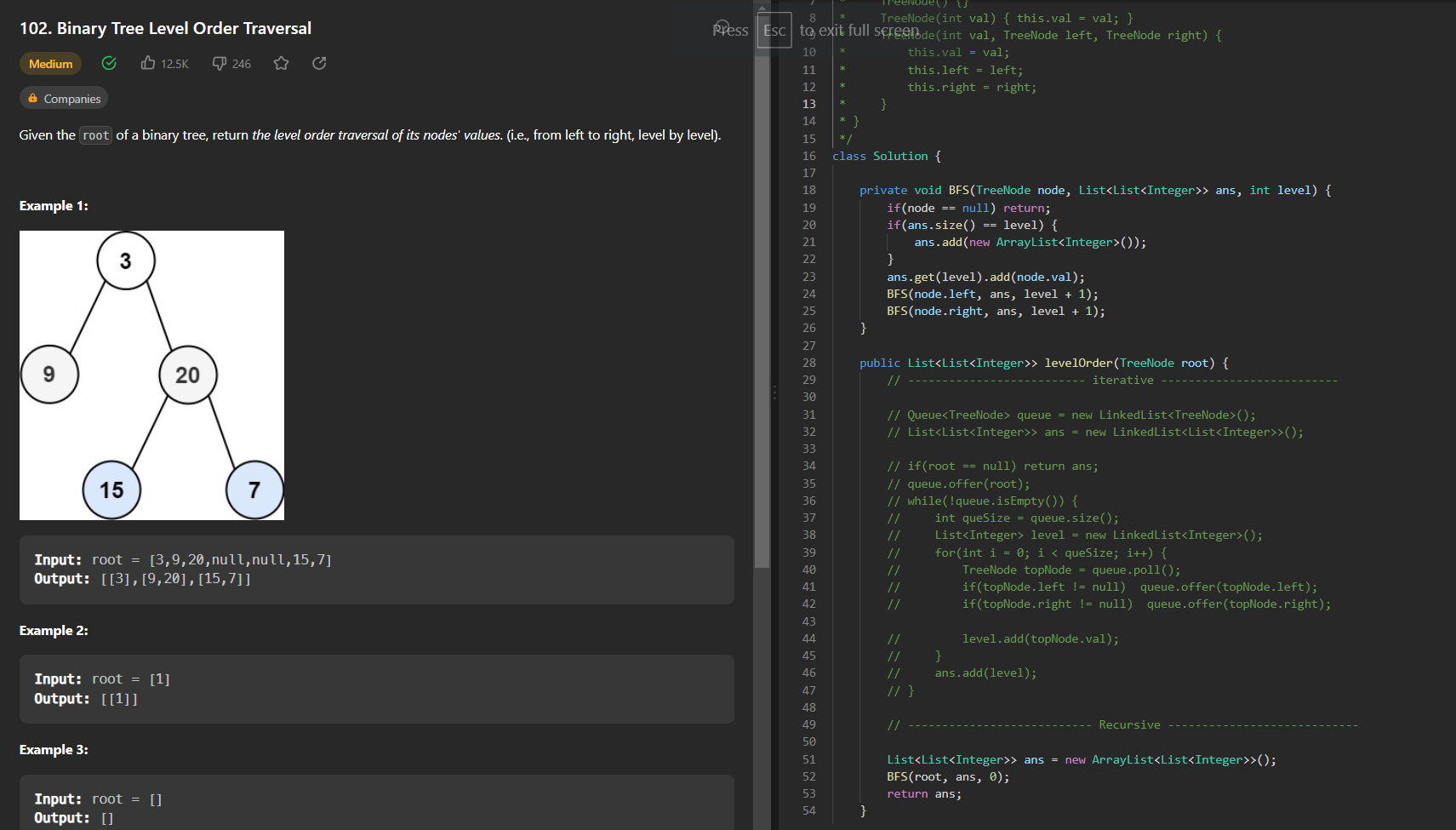
|  |  |
| --- | --- |
| **Trees** | |
| BFS tree traversal | 1 |
| DFS Pre-order traversal | 1 |
| DFS In-Order traversal | 2 |
| DFS Post-Order traversal | 2 |
| Maximum depth of a binary tree | 3 |
| Balanced binary tree | 3 |
| Diameter of a binary tree | 4 |
| Maximum sum path in a binary tree | 4 |
| Binary tree ZigZag level order traversal | 5 |
| Binary tree left side view | 5 |
| Symmetric tree | 6 |
|  |  |

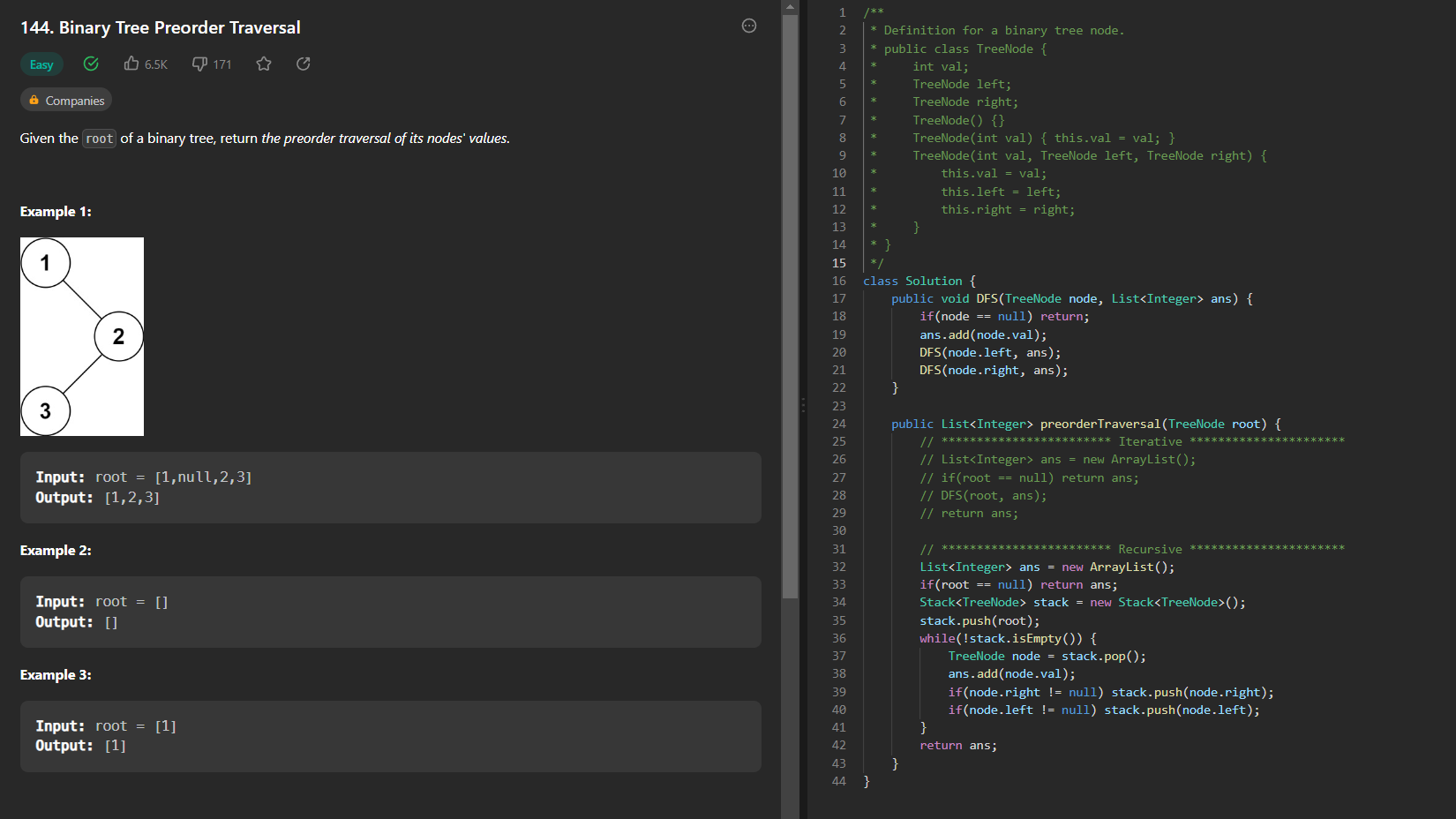
**Tree BFS traversal**

Iterative TC: O(n) recursive TC: O(n)

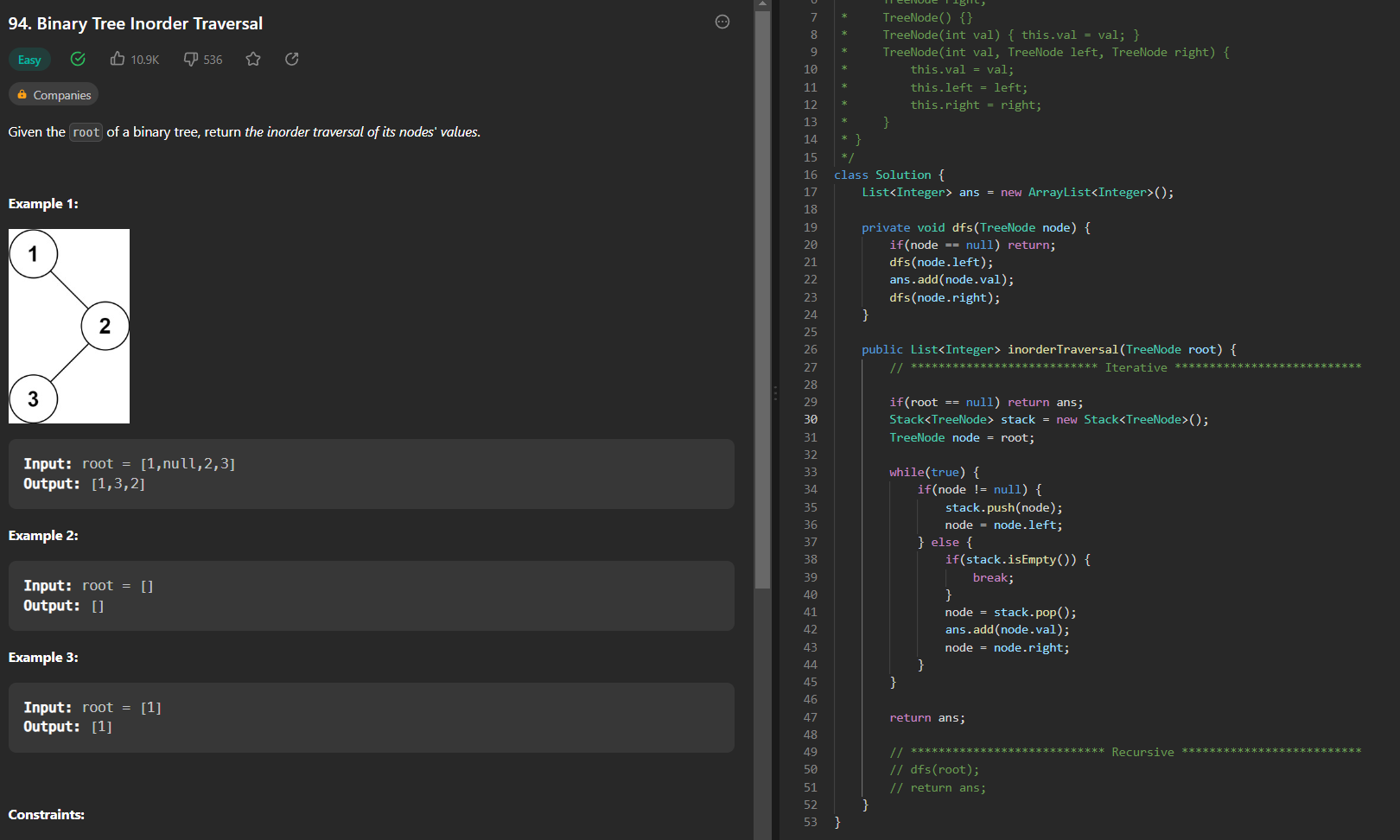
Sc: O(n) uses queue SC: O(1)



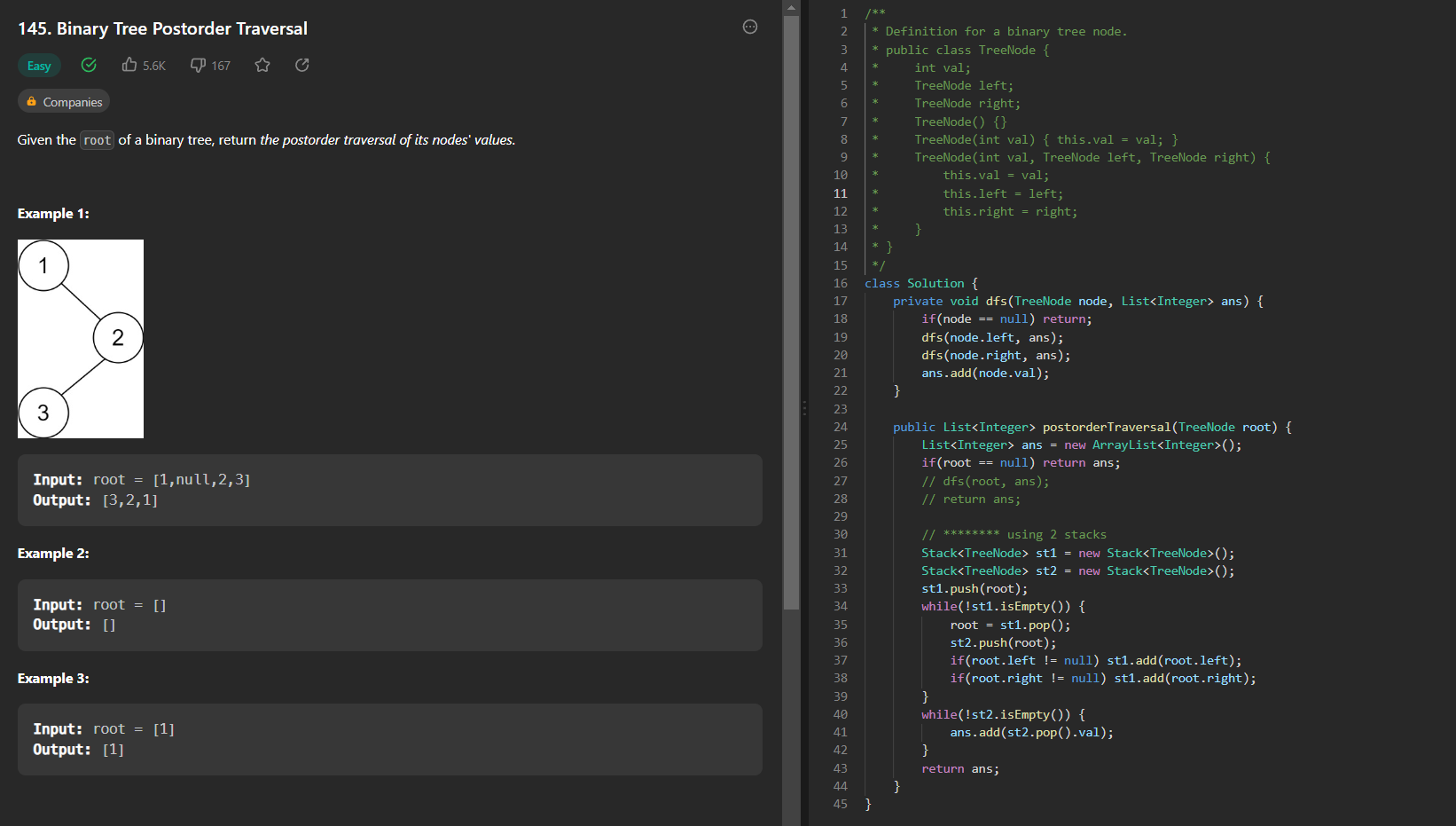
**Pre Order traversal**



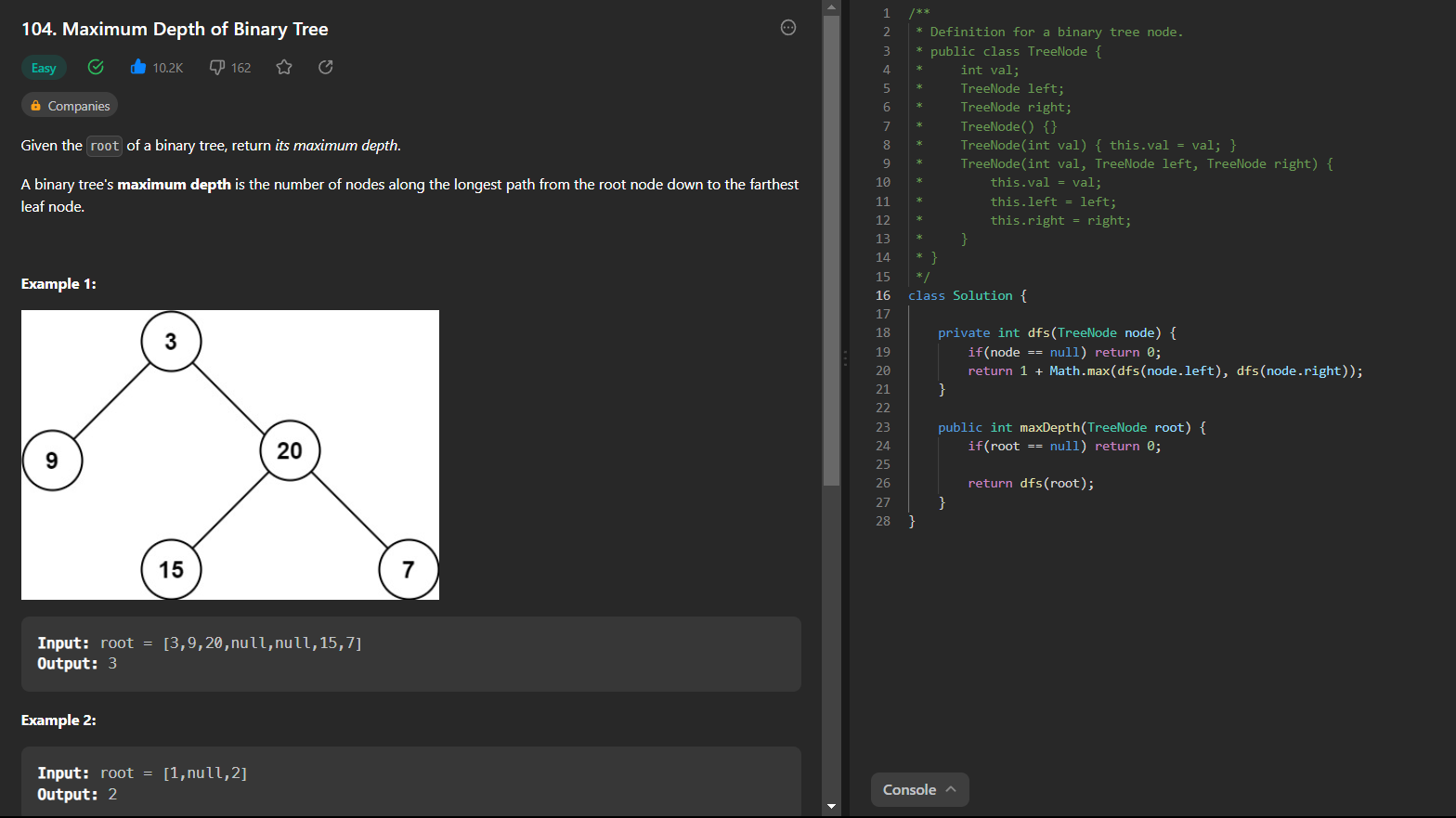
**In Order traversal**



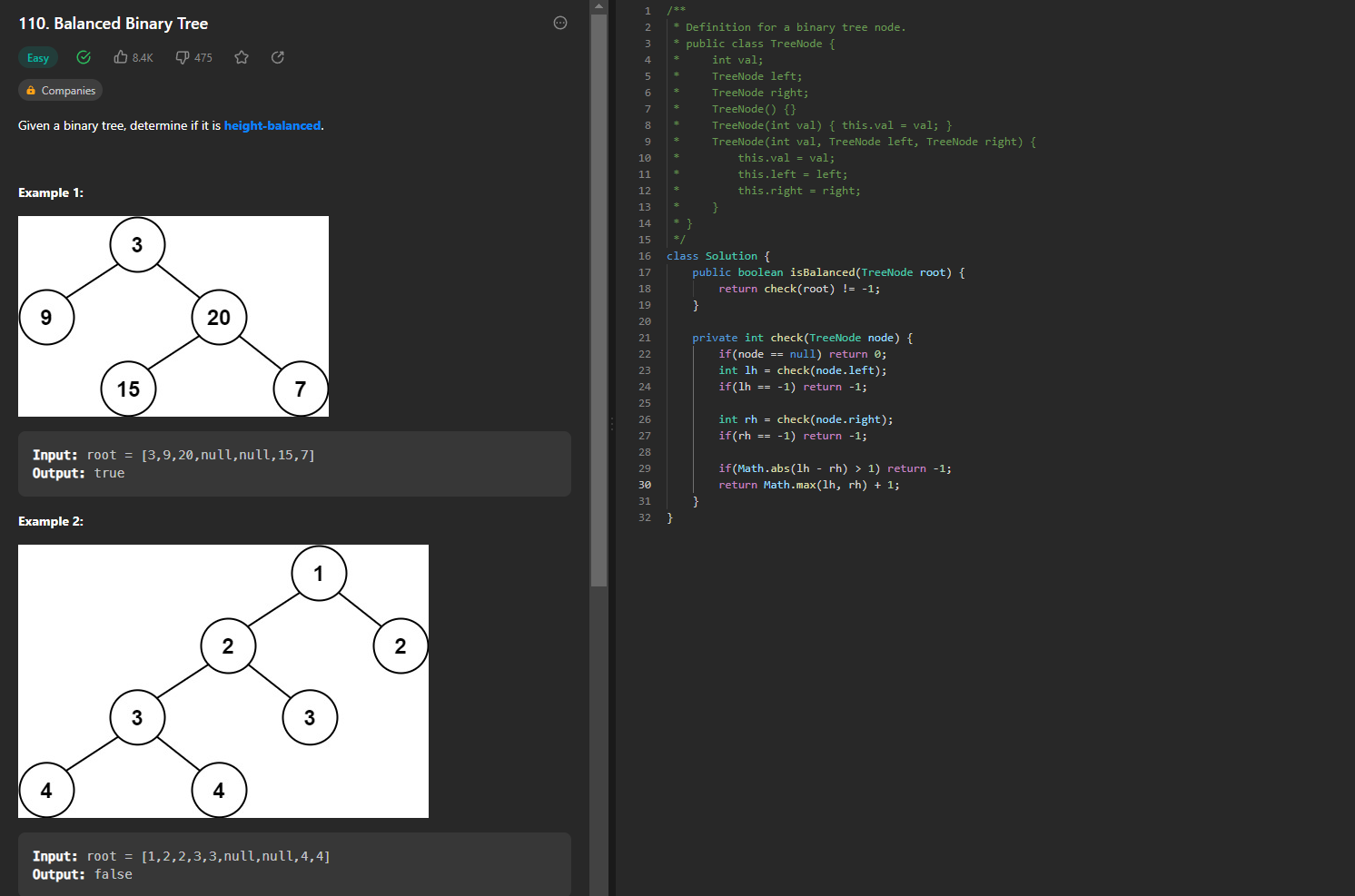
**Post Order traversal**



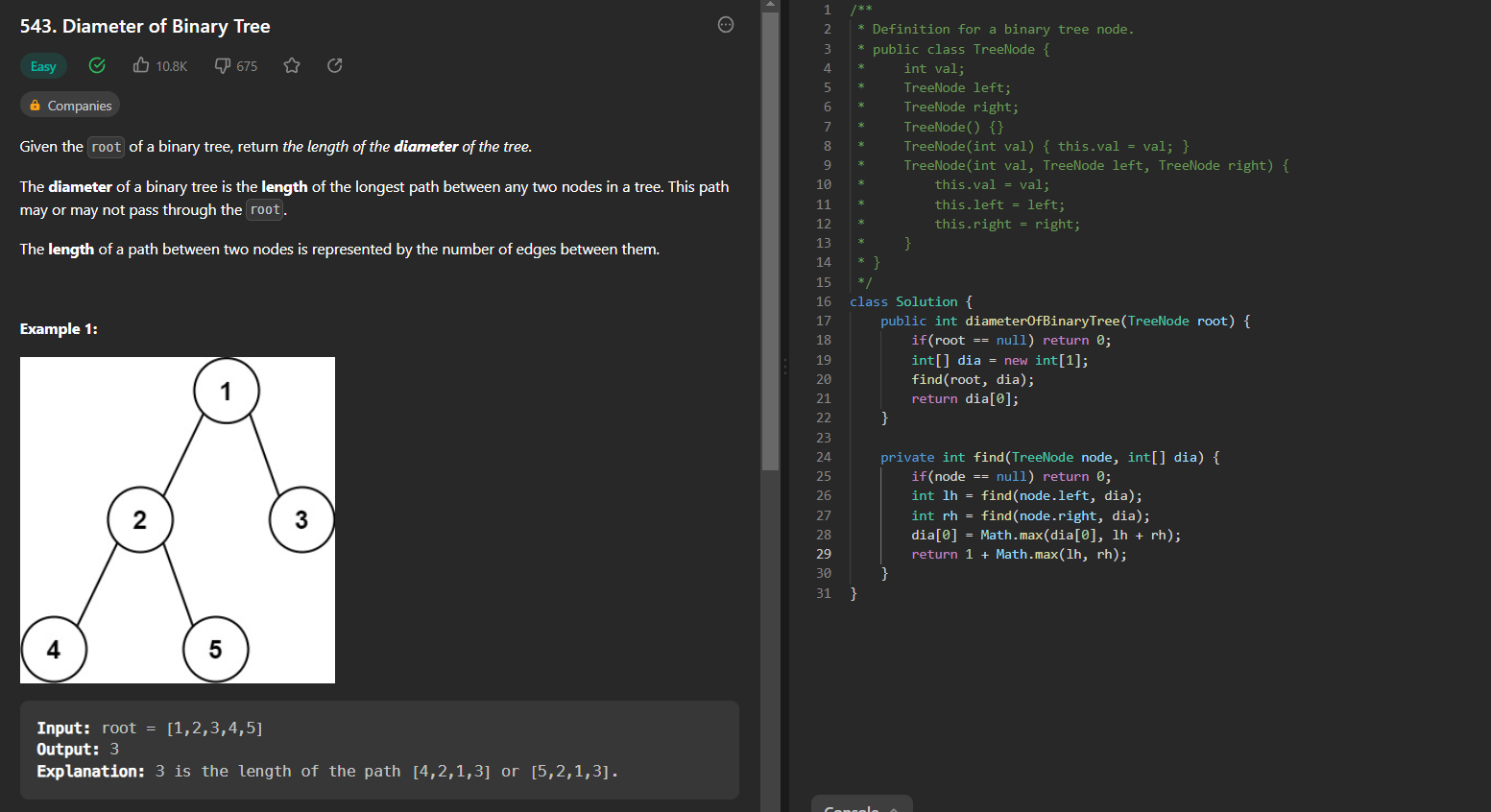
**Maximum depth of the binary tree**



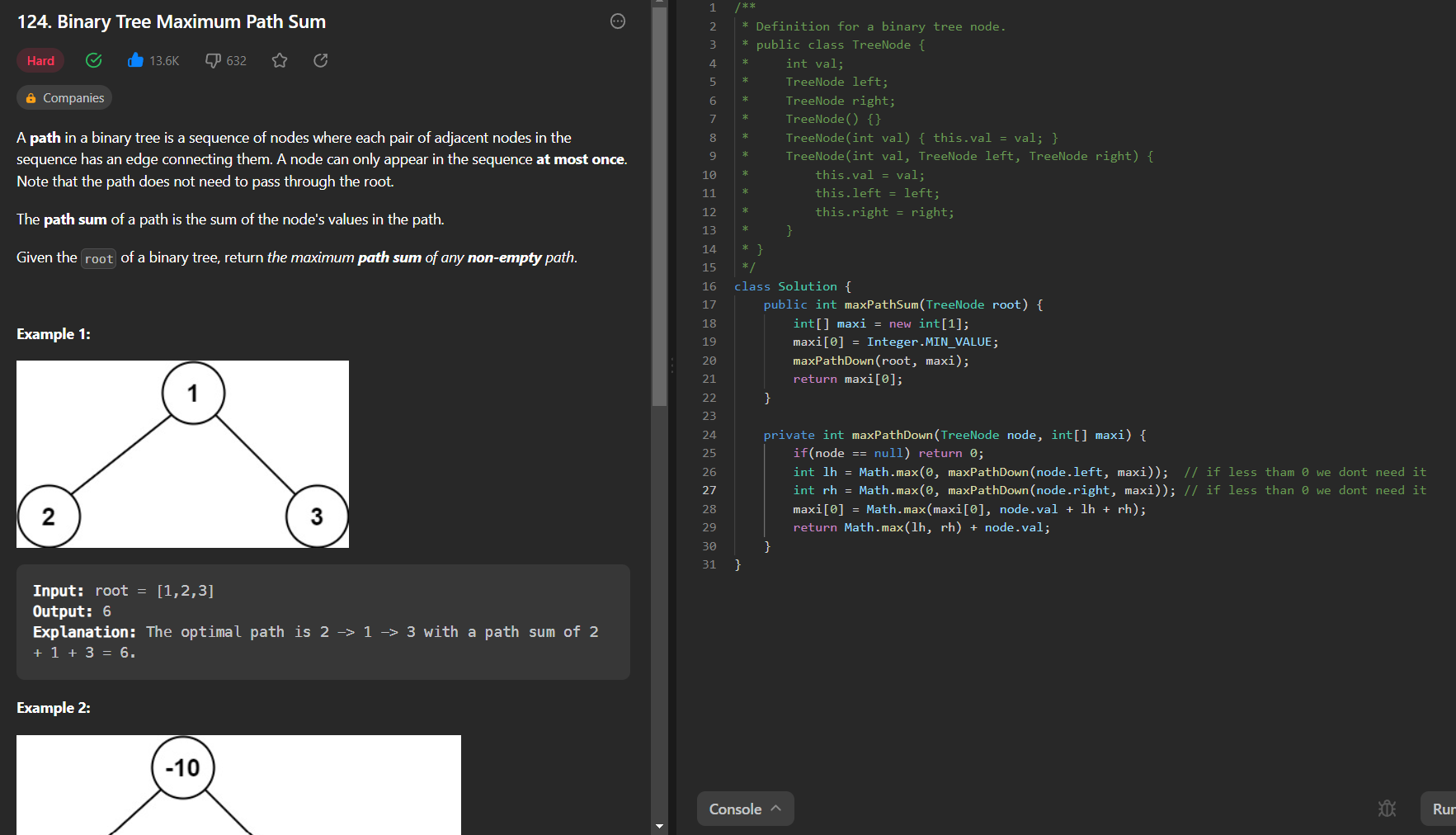
**Balanced binary tree**

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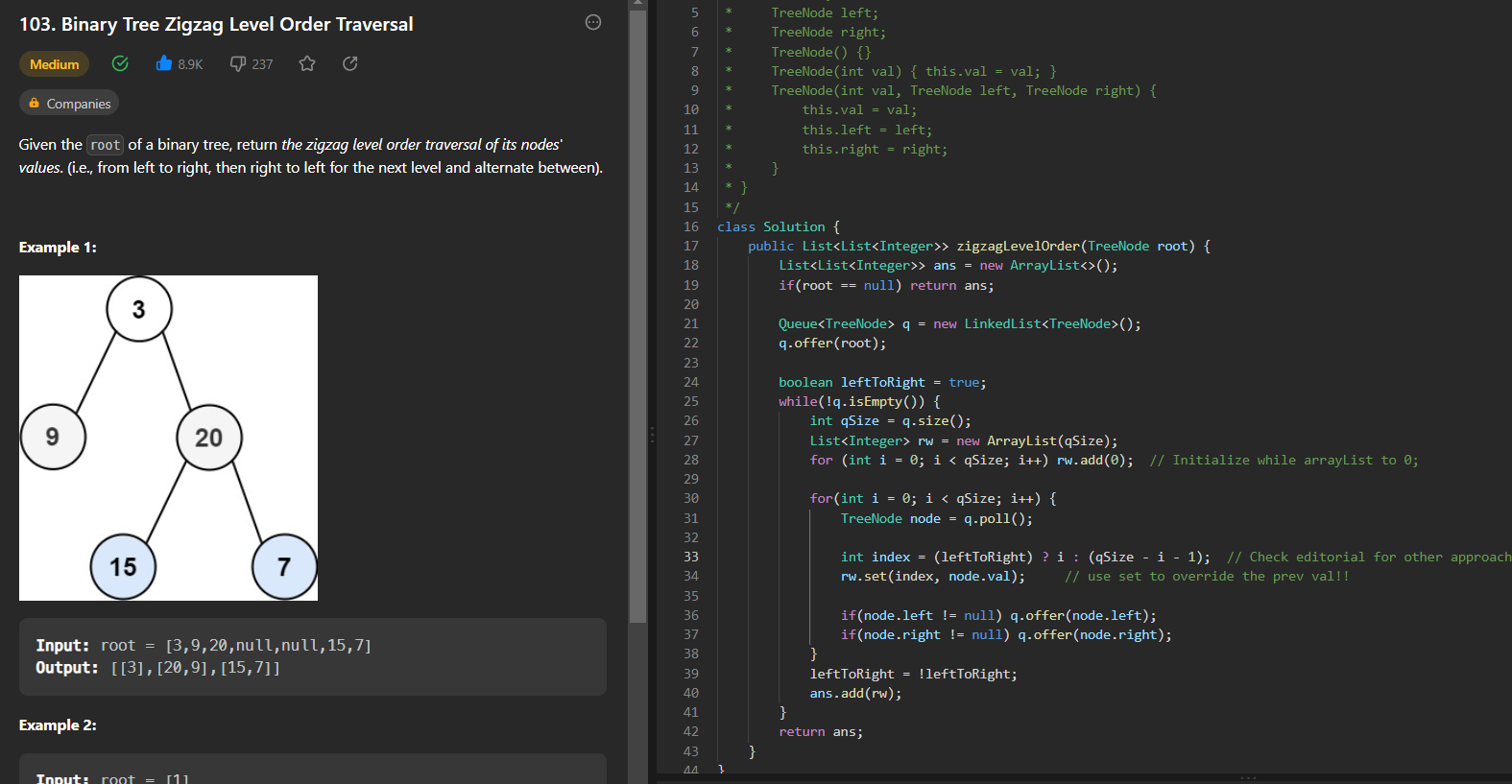
**Diameter of Binary tree:**

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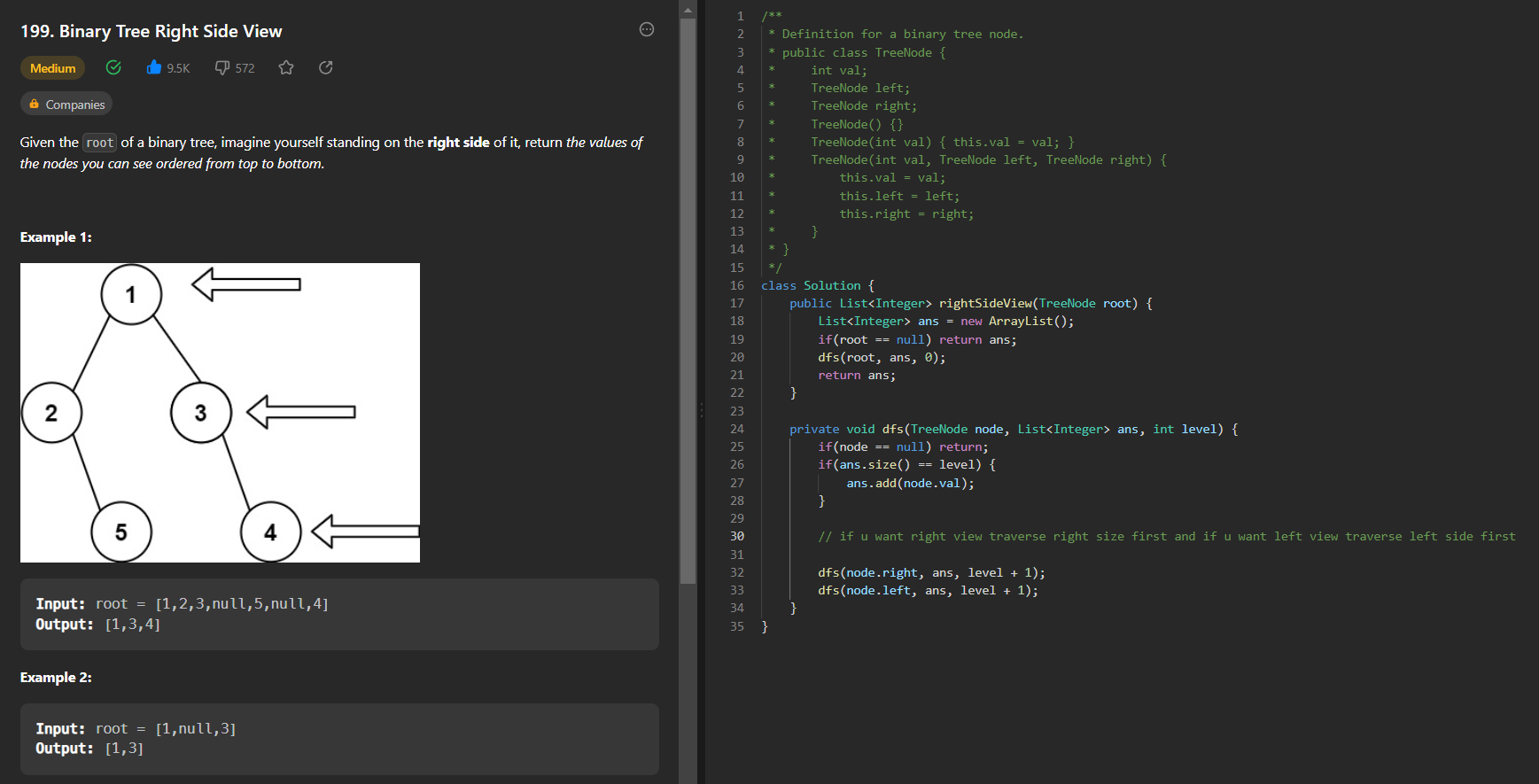
**Maximum Path sum in a binary tree:**

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**Binary Tree Zigzag Level Order Traversal:**

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**Binary Tree Right Side View**

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