

## 1273. Delete Tree Nodes

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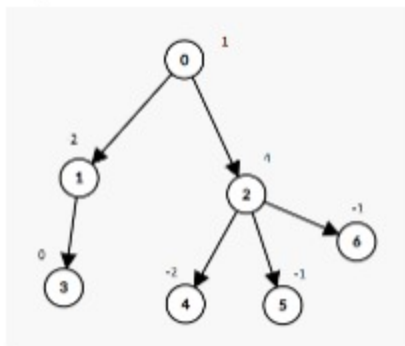
A tree rooted at node 0 is given as follows:

- The number of nodes is `nodes`;
- The value of the `i`-th node is `value[i]`;
- The parent of the `i`-th node is `parent[i]`.

Remove every subtree whose sum of values of nodes is zero.

After doing so, return the number of nodes remaining in the tree.

Example 1:



Input: `nodes = 7`, `parent = [-1,0,0,1,2,2,2]`, `value = [1,-2,4,0,-2,-1,-1]`  
 Output: 2

### Constraints:

- $1 \leq \text{nodes} \leq 10^4$
- $-10^5 \leq \text{value}[i] \leq 10^5$
- `parent.length == nodes`
- `parent[0] == -1` which indicates that 0 is the root.

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Yes

No

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Autocomplete

```

1 class Solution(object):
2     def
3         deleteTreeNodes(self,
4             nodes, parent, value):
5             """
6             :type nodes: int
7             :type parent:
8             list[int]
9             :type value:
10            list[int]
11            :rtype: int
12            """
13

```