

6018. Create Binary Tree From Descriptions

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You are given a 2D integer array `descriptions` where `descriptions[i] = [parenti, childi, isLefti]` indicates that `parenti` is the **parent** of `childi` in a **binary** tree of **unique** values. Furthermore,

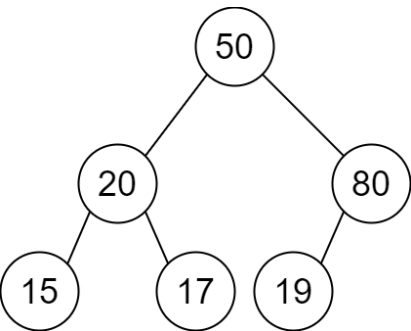
- If `isLefti == 1`, then `childi` is the left child of `parenti`.
- If `isLefti == 0`, then `childi` is the right child of `parenti`.

Construct the binary tree described by `descriptions` and return *its* **root**.

The test cases will be generated such that the binary tree is **valid**.

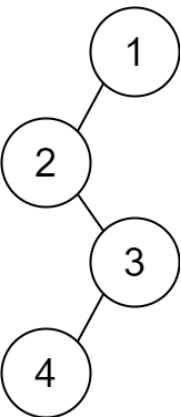
User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:



**Input:** `descriptions = [[20,15,1],[20,17,0],[50,20,1],[50,80,0],[80,19,1]]`  
**Output:** `[50,20,80,15,17,19]`  
**Explanation:** The root node is the node with value 50 since it has no parent. The resulting binary tree is shown in the diagram.

Example 2:



**Input:** `descriptions = [[1,2,1],[2,3,0],[3,4,1]]`  
**Output:** `[1,2,null,null,3,4]`  
**Explanation:** The root node is the node with value 1 since it has no parent. The resulting binary tree is shown in the diagram.

Constraints:

- `1 <= descriptions.length <= 104`
- `descriptions[i].length == 3`
- `1 <= parenti, childi <= 105`
- `0 <= isLefti <= 1`
- The binary tree described by `descriptions` is valid.

JavaScript



```
1 const MAX = 1e5 + 1;
2 const createBinaryTree = (edges) => {
3   let g = Array(MAX).fill(null), notRoot = Array(MAX).fill(false);
4   for (const edge of edges) {
5     let [u, v, dir] = edge;
6     if (!g[u]) g[u] = new TreeNode(u);
7     if (!g[v]) g[v] = new TreeNode(v);
8     notRoot[v] = true;
9     dir ? g[u].left = g[v] : g[u].right = g[v];
10  }
11  for (let i = 0; i < MAX; i++) {
12    if (g[i] && !notRoot[i]) return g[i];
13  }
14  return null;
15 };
```

☐ Custom Testcase☒ Use Example Testcases

Run

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