

Given a binary tree t , determine whether it is *symmetric* around its center, i.e. each side mirrors the other.

Example

- For

```
t = {
  "value": 1,
  "left": {
    "value": 2,
    "left": {
      "value": 3,
      "left": null,
      "right": null
    },
    "right": {
      "value": 4,
      "left": null,
      "right": null
    }
  },
  "right": {
    "value": 2,
    "left": {
      "value": 4,
      "left": null,
      "right": null
    },
    "right": {
      "value": 3,
      "left": null,
      "right": null
    }
  }
}
```

the output should be `isTreeSymmetric(t) = true`.

Here's what the tree in this example looks like:

```

  1
 / \
2   2
/ \ / \
3 4 4 3
```

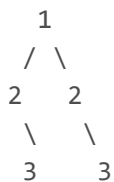
As you can see, it is symmetric.

- For

```
t = {
  "value": 1,
  "left": {
    "value": 2,
    "left": null,
    "right": {
      "value": 3,
      "left": null,
      "right": null
    }
  },
  "right": {
    "value": 2,
    "left": null,
    "right": {
      "value": 3,
      "left": null,
      "right": null
    }
  }
}
```

the output should be `isTreeSymmetric(t) = false`.

Here's what the tree in this example looks like:



As you can see, it is not symmetric.

Input/Output

- **[time limit] 4000ms (py3)**
- **[input] tree.integer t**

A binary tree of integers.

Guaranteed constraints:

$0 \leq \text{tree size} < 5 \cdot 10^4$,
 $-1000 \leq \text{node value} \leq 1000$.

- **[output] boolean**

Return `true` if `t` is symmetric and `false` otherwise.