

@LeetCode

Given a **complete** binary tree, count the number of nodes.

**Note:**

**Definition of a complete binary tree from [Wikipedia](#):**

In a complete binary tree every level, except possibly the last, is completely filled, and all nodes in the last level are as far left as possible. It can have between 1 and  $2^h$  nodes inclusive at the last level h.

**Example:**

**Input :**

```
      1
     / \
    2   3
   / \ /
  4  5 6
```

**Output: 6**