**Maximum Depth of Binary Tree**

**Easy**

**30**

**Given a binary tree, return its maximum depth.**

**The depth of a binary tree is the number of nodes from the root node to any of the leaf nodes. The maximum depth is the maximum of the depths across all the paths.**

**Example**

**A diagram of a diagram

Description automatically generated**

**Testing**

**Input Format**

**The first line contains an integer *T* denoting the number of test cases.**

**For each test case, the input has 2 lines:**

* **The first line contains an integer *n* denoting the number of nodes in the tree (including the NULL nodes).**
* **The second line contains *n* space-separated integers that will form the binary tree. The integers follow level order traversal of the tree where -1 indicates a NULL node.**

**Output Format**

**For each test case, the output has an integer denoting the maximum depth of the tree.**

**Sample Input**

**5**

**12**

**1 2 3 4 5 6 -1 -1 -1 7 -1 8**

**7**

**1 2 -1 4 -1 5 6**

**7**

**8 -1 9 -1 10 11 12**

**5**

**28 14 11 -1 48**

**1**

**6**

**Expected Output**

**4**

**4**

**4**

**3**

**1**