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The Virtual Learning Environment for Computer Programming

## Trees — Height

P61120\_en

Write a program that reads the shape of various binary trees, and prints the height of each one. We define the height of a tree as the maximal number of nodes of the paths that go from the root to each leaf (or zero, if the tree is empty).

#### Input

Input starts with m, the number of trees that must be treated. The description of the m trees follow as explained at problem "Trees — Recursive traversal", with an exception: All the values are 0, because the content of the nodes here is not important.

#### Output

Your program must print the height of each given tree.

#### Sample input

### Sample output

5 3

#### **Problem information**

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