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The Virtual Learning Environment for Computer Programming

#### Width of the trees

P52155\_en

Write a program that reads the shape of various binary trees, and prints the width of each one. We define the width of a tree as the maximal number of nodes that has at any of its levels (or zero, if the tree is empty).

### Input

Input consists of the description of various trees as it is explained at the exercise, with an exception: All the values are 0, because the content of the nodes here is not important.

### Output

Your program must print the width of each given tree.

#### Sample input

### 10 0 -1 -1 0 0 -1 0 -1 -1 -1 0 0 0 -1 -1 -1 -1

## Sample output

#### **Problem information**

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