Jutge.org

The Virtual Learning Environment for Computer Programming

Trees — Printing a tree

Write a program that reads a binary tree of words, and that prints it following the format of the sample.

Input

Input consists of the description of a tree, which is a preorder traversal of its words, marking the empty trees with '-1'- You can assume that the given words have less than ten letters.

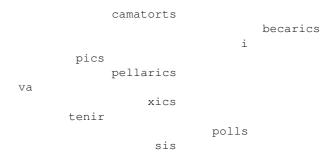
Output

Your program must print the tree following the format of the sample. Notice that each level of the tree is printed using ten characters.

Sample input

va tenir sis -1 polls -1 -1 xics -1 -1 pics pellarics -1 -1 camatorts i -1 becarics -1 -1 -1

Sample output



Problem information

Author : Jordi Petit i Salvador Roura Translator : Jordi Petit Generation : 2024-04-30 16:49:59

© *Jutge.org*, 2006–2024. https://jutge.org