Telephones   P56109_en

In countries like USA, is usual that the advertisers give their telephone using letters instead of numbers. For instance, a painter can say that his "number" is 1-800-PAINTER. Thanks to the dials like the one in the figure, when a person use this "number", actually dials 1-800-7246837.

Write a program that reads a "number" of telephone that includes letters and converts it to the equivalent number that only contains numbers.

Input

Input is a "number" of telephone that can include uppercase letters, dashes and digits.

Output

The output is the equivalent number of telephone, preserving its dashes.

Sample input 1	Sample output 1
1-800-PAINTER	1-800-7246837

Sample input 2	Sample output 2
802-PONME-CALIENTE	802-76663-22543683

Observation

Use a function to return the corresponding number to each letter.

Problem information

Author : Jordi Petit
Translator : Carlos Molina
Generation : 2024-05-02 19:38:35