# A. Pangram

time limit per test: 2 seconds memory limit per test: 256 megabytes

input: standard input output: standard output

A word or a sentence in some language is called a *pangram* if all the characters of the alphabet of this language appear in it *at least once*. Pangrams are often used to demonstrate fonts in printing or test the output devices.

You are given a string consisting of lowercase and uppercase Latin letters. Check whether this string is a pangram. We say that the string contains a letter of the Latin alphabet if this letter occurs in the string in uppercase or lowercase.

## Input

The first line contains a single integer n ( $1 \le n \le 100$ ) — the number of characters in the string.

The second line contains the string. The string consists only of uppercase and lowercase Latin letters.

#### **Output**

Output "YES", if the string is a pangram and "NO" otherwise.

#### **Examples**

input
12 toosmallword
output
NO NO

# input

35

TheQuickBrownFoxJumpsOverTheLazyDog

## output

YES