

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 ($1 \leq n \leq 100$) — 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	Copy
12 toosmallword	
output	Copy
NO	

input	Copy
35 TheQuickBrownFoxJumpsOverTheLazyDog	
output	Copy
YES	

Codeforces Round #295 (Div. 2)

Finished

Practice



→ Virtual participation

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Language: GNU G++20 11.2.0 (64 bit, v 

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