C. Letter

time limit per test: 2 seconds

memory limit per test: 256 megabytes

Vasya decided to write an anonymous letter cutting the letters out of a newspaper heading. He knows heading s_1 and text s_2 that he wants to send. Vasya can use every single heading letter no more than once. Vasya doesn't have to cut the spaces out of the heading — he just leaves some blank space to mark them. Help him; find out if he will manage to compose the needed text.

Input

The first line contains a newspaper heading s_1. The second line contains the letter text s_2. s_1 и s_2 are non-empty lines consisting of spaces, uppercase and lowercase Latin letters, whose lengths do not exceed 200 symbols. The uppercase and lowercase letters should be differentiated. Vasya does not cut spaces out of the heading.

Output

If Vasya can write the given anonymous letter, print `YES`, otherwise print `NO`

Examples

input	Copy
Instead of dogging Your footsteps it disappears but you dont notice anything where is your dog	

output	Copy
NO	

input	Copy
Instead of dogging Your footsteps it disappears but you dont notice anything Your dog is upstears	

output	Copy
YES	

input	Copy
Instead of dogging your footsteps it disappears but you dont notice anything Your dog is upstears	

output	Copy
NO	

input	Copy
abcdefg hijk k j i h g f e d c b a	

output	Copy
YES	

ICPC Assiut University Training - Juniors Phase 1 Sheets-2022

Public

Participant

⭐

→ Group Contests

- Juniors Phase 1 Practice #5 (Bitmask, Bitset, Bits)
- Juniors Phase 1 Practice #4 (Binary search , Two pointers)
- Juniors Phase 1 Practice #3 (STL 2)
- Juniors Phase 1 Practice #2 (STL 1)
- Juniors Phase 1 Practice #1 (Prefix sum , Frequency Array)

Juniors Phase 1 Practice #1 (Prefix sum , Frequency Array)

Finished

Practice

⭐

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 13.2 (64 bit, win ▾

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict