

C. Anagram Test

You are given two strings s and t . Write a program to check if t is an anagram of s .

An anagram is a word or phrase formed by rearranging the letters of a different word or phrase using all the original letters exactly once. For example, the word **anagram** can be rearranged into **nagaram**, or the word **binary** into **brainy**.

Input

Input contains two strings s and t in two separate lines. Each string contains only lowercase English letters, and the length of each string is between 1 and 10^5 inclusive.

Output

Print **yes** if t is an anagram of s , otherwise print **no**.

Samples

Sample #1

Input	Output
anagram nagaram	yes

Sample #2

Input	Output
binary brainy	yes

Sample #3

Input	Output
qwerty qwerrty	no