Alphabet Soup

Prompt

Every string has an "alphabet",composed of the characters that make it up. For example, the alphabet of *aabbccabcabc* is *a, b, c*. There are two operations you can do with alphabets: getting the alphabet of a string, and seeing if another string has a given alphabet. Given two strings, you must write a program that finds the alphabet of the first string, and returns *true* or *false* based on whether that alphabet makes up the second string.

Input Format

The first and only line of input contains 2 space-separated strings which you have to evaluate.

Output Format

The first and only line of your output must contain **true** or **false**, depending on the test case.

Constraints

$10 \leq$ length of strings ≤ 100

Sample Input/Output

Input	Output
wrfhxpmghy nxeywikrmmnfrybggnohfrbhwvmdalbyrx	false

Solution

To find whether that alphabet of the first string makes up the second string, we must find whether the set of characters in the second string is a subset of the set of characters in the first string.

Sample Program

```python
strings = input().split(' ')
s1 = strings[0]
s2 = strings[1]

# issubset() method, to check if test whether every element in s2 is in s1.
string2IsASubset = set([i for i in s2]).issubset(set([i for i in s1]))

print("true" if string2IsASubset else "false")
```