There are several interesting developments in the history that were named in honor of their inventors, for example:

- RSA is made of the initial letters of the surnames of Ron Rivest, Adi Shamir, and Leonard Adleman.

- BPS is made of the initial letters of Bogomolnyi, Prasad, and Sommerfield.

Sometimes, people change the name of those developments with other words (not necessarily meaningful), for example:

- RSA: Randomized Super Algorithm.

- BPS: Beyond Perturbative States.

In this task you must check if a name may have come from certain authors. A name comes from certain authors if the initials of the authors are the same as the initials of the words in the name. Note that the initials should match in the same order that they are given in the input.

Input

The input consists of several test cases. Each test case consists of two lines:

- The name of the authors separated by spaces.

- The name to check separated by spaces.

All the words consist of lowercase english letters.
The number of authors is greater than 1 and less than 10. This number may be different from the number of words in the name to check.

Output

For each test case print 'yes', if the name may have come from the given authors. Print 'no' otherwise.

Sample Input

```
rivest shamir adleman
randomized super algorithm
bogomolnyi prasad sommerfield
beyond perturbative states
arthur jack sean
amazing jurisprudential victory
rivest adleman shamir
randomized super algorithm
```

Sample Output

```
yes
yes
no
no
```