





PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION

B. Strings Equalization

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

You are given two strings of equal length s and t consisting of lowercase Latin letters. You may perform any number (possibly, zero) operations on these strings.

During each operation you choose two **adjacent** characters in **any** string and assign the value of the first character to the value of the second or vice versa.

For example, if s is "acbc" you can get the following strings in **one** operation:

- "aabc" (if you perform $s_2=s_1$);
- "ccbc" (if you perform $s_1=s_2$);
- "accc" (if you perform $s_3=s_2$ or $s_3=s_4$);
- "abbc" (if you perform $s_2 = s_3$);
- "acbb" (if you perform $s_4=s_3$);

Note that you can also apply this operation to the string t.

Please determine whether it is possible to transform s into t, applying the operation above any number of times.

Note that you have to answer q independent queries.

Input

The first line contains one integer q ($1 \le q \le 100$) — the number of queries. Each query is represented by two consecutive lines.

The first line of each query contains the string s ($1 \leq |s| \leq 100$) consisting of lowercase Latin letters.

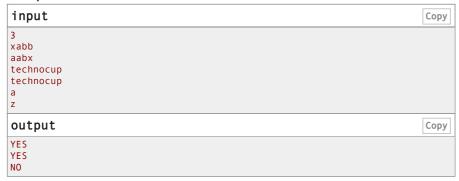
The second line of each query contains the string t ($1 \le |t| \le 100$, |t| = |s|) consisting of lowercase Latin letters.

Output

For each query, print "YES" if it is possible to make s equal to t, and "NO" otherwise.

You may print every letter in any case you want (so, for example, the strings "yEs", "yes", "Yes", and "YES" will all be recognized as positive answer).

Example



Note

In the first query, you can perform two operations $s_1=s_2$ (after it s turns into "aabb") and $t_4=t_3$ (after it t turns into "aabb").

In the second query, the strings are equal initially, so the answer is "YES".

Technocup 2020 - Elimination Round 1 Finished Practice

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Clone Contest





→ Contest materials

• Announcement #1 (en)

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2019/10/10 Problem - B - Codeforces

 $_{\bigcirc}$ In the third query, you can not make strings s and t equal. Therefore, the answer is "NO".

- Announcement #2 (ru)
- Tutorial (en)

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