

[All Tracks](#) > [Basic Programming](#) > [Input/Output](#) > > Problem

## ● Two Strings



Tag(s): Easy

**PROBLEM****EDITORIAL****MY SUBMISSIONS**

Given two strings of equal length, you have to tell whether they both strings are identical.

Two strings S1 and S2 are said to be identical, if any of the permutation of string S1 is equal to the string S2. See Sample explanation for more details.

**Input :**

- First line, contains an integer 'T' denoting no. of test cases.
- Each test consists of a single line, containing two space separated strings S1 and S2 of equal length.

**Output:**

- For each test case, if any of the permutation of string S1 is equal to the string S2 print **YES** else print **NO**.

**Constraints:**

- $1 \leq T \leq 100$
- $1 \leq |S1| = |S2| \leq 10^5$
- String is made up of lower case letters only.

**Note :** Use Hashing Concept Only . Try to do it in  $O(\text{string length})$  .

**SAMPLE INPUT**

```
3
sumit mitsu
ambuj jumba
abhi hibb
```

**SAMPLE OUTPUT**

```
YES
YES
NO
```

## Explanation

For first test case,

mitsu can be rearranged to form sumit .

For second test case,

jumba can be rearranged to form ambuj .

For third test case,

hibb can not be arranged to form abhi.

**Time Limit:** 1.0 sec(s) for each input file.

**Memory Limit:** 256 MB

**Source Limit:** 1024 KB

**Marking Scheme:** Marks are awarded when all the testcases pass.

**Allowed Languages:** Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic

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