

Problem A. Two Strings

OS Linux

Given two strings, determine if they share a common substring. A substring may be as small as one character.

Example

s1 = 'and'

s2 = 'art'

These share the common substring *a*.

s1 = 'be'

s2 = 'cat'

These do not share a substring.

Function Description

Complete the function *twoStrings* in the editor below.

twoStrings has the following parameter(s):

- *string s1*: a string
- *string s2*: another string

Returns

- *string*: either YES or NO

Input Format

The first line contains a single integer *p*, the number of test cases.

The following *p* pairs of lines are as follows:

- The first line contains string *s1*.
- The second line contains string *s2*.

Constraints

- *s1* and *s2* consist of characters in the range `ascii[a-z]`.
- $1 \leq p \leq 10$
- $1 \leq |s1|, |s2| \leq 10^5$

Output Format

For each pair of strings, return **YES** or **NO** .

Sample Input

```
2
hello
world
hi
world
```

Sample Output

```
YES
NO
```

Explanation

We have $p = 2$ pairs to check:

1. $s1 = \text{"hello"}$, $s2 = \text{"world"}$. The substrings **"o"** and **"l"** are common to both strings.
2. $a = \text{"hi"}$, $b = \text{"world"}$. $s1$ and $s2$ share no common substrings.