Two Strings

Given two strings, a and b, determine if they share a common substring.

Input Format

The first line contains a single integer, p, denoting the number of (a, b) pairs you must check.
Each pair is defined over two lines:

1. The first line contains string a.
2. The second line contains string b.

Constraints

- a and b consist of lowercase English letters *only*.
- $1 \leq p \leq 10$
- $1 \leq |a|, |b| \leq 10^5$

Output Format

For each (a, b) pair of strings, print `YES` on a new line if the two strings share a common substring; if no such common substring exists, print `NO` on a new line.

Sample Input

```
2
hello
world
hi
world
```

Sample Output

```
YES
NO
```

Explanation

We have $c = 2$ pairs to check:

1. $a =$ **"hello"**, $b =$ **"world"**. The substrings **"o"** and **"l"** are common to both a and b, so we print `YES` on a new line.
2. $a =$ **"hi"**, $b =$ **"world"**. Because a and b have no common substrings, we print `NO` on a new line.