

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