

Two Strings



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Given two strings, \boldsymbol{a} and \boldsymbol{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.
- $1 \le p \le 10$
- $1 \le |a|, |b| \le 10^5$

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

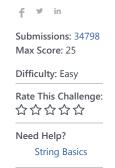
Sample Output

YES NO

Explanation

We have ${\it c}={\it 2}$ pairs to check:

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



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