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Two Strings

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Problem

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Problem Statement

You are given two strings, A and B . Find if there is a substring that appears in both A and B .

Input Format

Several test cases will be given to you in a single file. The first line of the input will contain a single integer T , the number of test cases.

Then there will be T descriptions of the test cases. Each description contains two lines. The first line contains the string A and the second line contains the string B .

Output Format

For each test case, display **YES** (in a newline), if there is a common substring. Otherwise, display **NO**.

Constraints

All the strings contain only lowercase Latin letters.

$$1 \leq T \leq 10$$

$$1 \leq |A|, |B| \leq 10^5$$

Sample Input

```
2
hello
world
hi
world
```

Sample Output

```
YES
NO
```

Explanation

For the 1st test case, the letter **o** is common between both strings, hence the answer **YES**. (Furthermore, the letter **l** is also common, but you only need to find one common substring.)

For the 2nd test case, **hi** and **world** do not have a common substring, hence the answer **NO**.

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Submissions: 16256

Max Score: 25

Difficulty: Moderate

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Java 8   

```
1 import java.io.*;
2 import java.util.*;
3
4 public class Solution {
5     public static void main(String[] args) {
6         Scanner s=new Scanner(System.in);
7         int n=s.nextInt();
8         char comp;
9         boolean flag;
10        for(int j=0;j<n;j++){
11            flag=false;comp=97;
12            String str1=s.next();
13            String str2=s.next();
14            while(comp<=122 && flag==false){
15                if(str1.indexOf(comp)!=-1 && str2.indexOf(comp)!=-1)
16                    flag=true;
17                comp++;
18            }
19            if(flag==true)
20                System.out.println("YES");
21            else
22                System.out.println("NO");
23        }
24    }
25 }
```

Line: 1 Col: 1

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