Two Strings ☆

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Topics

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

For example, the words "a", "and", "art" share the common substring a. The words "be" and "cat" do not share a substring.

Function Description

Complete the function twoStrings in the editor below. It should return a string, either YES or NO based on whether the strings share a common substring.

twoStrings has the following parameter(s):

• s1, s2: two strings to analyze.

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].
- $1 \le p \le 10$
- $1 \le |s1|, |s2| \le 10^5$

Output Format

For each pair of strings, return YES or NO.

Sample Input

2 hello world

world

Sample Output



```
YES
NO
```

Explanation

```
We have p=2 pairs to check:

1. s1 = "hello", s2 = "world". The substrings "o" and "l" are common to both strings.

2. a = "hi", b = "world". s1 and s2 share no common substrings.
```

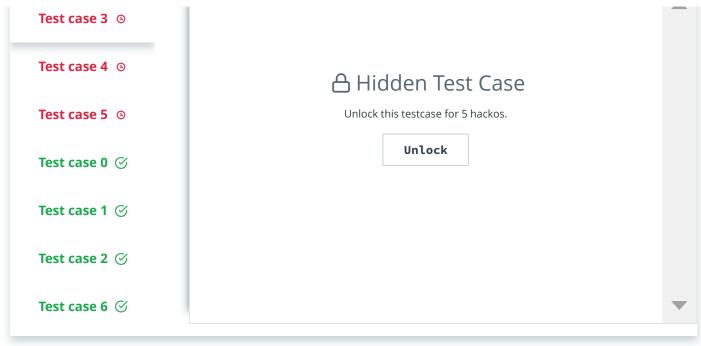
```
C#
                                                                                                 (0)
 21
               char[] chars_2 = s2.ToCharArray();
 22
 23
               for (int i = 0; i < chars 1.Length; <math>i++)
 24
 25
                   if (chars_2.Contains(chars_1[i]))
 26
                       return "YES";
 27
 28
 29
 30
               return "NO";
 31
 32
          }
 33
 34
           static void Main(string[] args) {
 35
               TextWriter textWriter = new StreamWriter(@System.Environment.GetEnvironmentVariable
      ("OUTPUT_PATH"), true);
 36
 37
               int q = Convert.ToInt32(Console.ReadLine());
 38
 39
               for (int qItr = 0; qItr < q; qItr++) {</pre>
 40
                   string s1 = Console.ReadLine();
 41
                   string s2 = Console.ReadLine();
 42
 43
 44
                   string result = twoStrings(s1, s2);
 45
 46
                   textWriter.WriteLine(result);
 47
               }
 48
                                                                                               Line: 30 Col: 19
                     ■ Test against custom input
1 Upload Code as File
                                                                               Run Code
                                                                                               Submit Code
```

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