

<b>Started on</b>	Tuesday, 19 March 2024, 10:50 PM
<b>State</b>	Finished
<b>Completed on</b>	Tuesday, 19 March 2024, 11:18 PM
<b>Time taken</b>	28 mins 10 secs
<b>Grade</b>	<b>10.00</b> out of 10.00 ( <b>100%</b> )

**Question 1**

Correct

Mark 10.00 out of 10.00

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

**Example*****s1*** = 'and'***s2*** = 'art'

These share the common substring ***a***.

***s1*** = 'be'***s2*** = 'cat'

These do not share a substring.

**Function Description**

Complete the function *twoStrings* in the editor below.

*twoStrings* has the following

parameter(s):

- *string s1*: a string
- *string s2*: another string

**Returns**

- *string*: either **YES** or **NO**

**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]`.
- $1 \leq p \leq 10$
- $1 \leq |s1|, |s2| \leq 10^5$

**Output Format**

For each pair of strings, return **YES** or **NO**.

**For example:**

Input	Result
2	YES
hello	NO
world	
hi	
world	

Answer: (penalty regime: 0 %)

Reset answer

```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 string ltrim(const string &);
6 string rtrim(const string &);
7
8 /*
9  * Complete the 'twoStrings'
10  *
11  * The function is expected to
12  * The function accepts follow
13  * 1. STRING s1
14  * 2. STRING s2
15  */
16
17 #include <string>
18
19 string twoStrings(string s1,
20     for (char ch : s1) {
21         if (s2.find(ch) != st
22             return "YES";
23     }
24 }
25 return "NO";
26 }
27
28
29
30 int main()
31 {
32     string q_temp;
33     getline(cin, q_temp);
34
35     int q = stoi(ltrim(rtrim(
36
37     for (int q_itr = 0; q_itr
38         string s1;
39         getline(cin, s1);
40
41         string s2;
42         getline(cin, s2);
43
44         string result = twoSt
45
46         cout << result << "\r
47     }
48
49     return 0;
50 }
51
52 string ltrim(const string &st
```

	Input	Expected	Got	
✓	2 hello world hi world	YES NO	YES NO	✓

Passed all tests! ✓

[▶ Show/hide question author's solution \(Cpp\).](#)

Correct

Marks for this submission: 10.00/10.00.