Problem: Two Strings

Given two strings, and , determine if they share a common substring.

Input Format

The first line contains a single integer, , denoting the number of pairs you must check.

Each pair is defined over two lines:

1. The first line contains string .
2. The second line contains string .

Constraints

- and consist of lowercase English letters *only*.
-
-

Output Format

For each 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 pairs to check:

1. , . The substrings and are common to both and , so we print `YES` on a new line.
2. , . Because and have no common substrings, we print `NO` on a new line.

Solution

```
int main()
  {
    int cases;
    cin>>cases;
    string str, strs;

    for(int k=0; k<cases; k++)
      {
        int score[26] = {0};
        cin>>str
          >>strs;
        int length = str.length();
        int lengths = strs.length();

        for(int i=0; i<length; i++)
          {
            int temp = (int)str[i] - 97;
            score[temp]+=1;
          }

        int flag = 0;
        for(int i=0; i<lengths && flag!=1; i++)
          {
            int temp = (int)strs[i] - 97;
            if(score[temp]>=1)
              {
                cout<<"YES"<<endl;
                flag=1;
              }
          }

        if(flag==0)
        {cout<<"NO"<<endl;}
      }
    return 0;
  }
```

`'Anshul AgGarwal

Difficulty: Easy Points: 25