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