

Palindromic substrings

Anoop likes strings a lot but he likes palindromic strings more. Today, Anoop has two strings A and B, each consisting of lower case alphabets.

Anoop is eager to know whether it is possible to choose some non empty strings s1 and s2 where s1 is a substring of A, s2 is a substring of B such that s1 + s2 is a palindromic string. Here '+' denotes the concatenation between the strings.

Input

First line of input contains a single integer T denoting the number of test cases.

For each test case:

First line contains the string A

Second line contains the string B.

Output

For each test case, Print "Yes" (without quotes) if it possible to choose such strings s1 & s2. Print "No" (without quotes) otherwise.

Input

3
abc
abc
a
b
abba
baab

Output

Yes
No
Yes

C Program

```
#include<stdio.h>
#include<string.h>
int main()
{
    int t;
    scanf("%d",&t);
    while(t--)
    {
        char a[1050],b[1050];
        scanf("%s",a);
        scanf("%s",b);
        int i,x,flag=0,j;
        for(i=0;a[i]!='\0';i++)
        {
            for(j=0;b[j]!='\0';j++)
            {
                if(a[i]==b[j])
                {
                    flag++;
                    break;
                }
            }
        }
        if(flag!=0)break;
    }
    if(flag!=0)printf("Yes\n");
    else printf("No\n");
}
```

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```
return 0;  
  
}
```

C++ Program

```
#include <iostream>  
  
#include <algorithm>  
  
using namespace std;  
  
int main() {  
    int n;  
    cin >> n;  
  
    while(n--)  
    {  
        string s1="", s2="";  
        cin >> s1 >> s2;  
        int flag = 0;  
        for(int i=0; i<s1.size(); i++)  
        {  
            for(int j=0; j<s2.size(); j++)  
            {  
                if(s1[i] == s2[j])  
                    flag++;  
            }  
        }  
  
        if(flag > 0)  
            cout << "Yes" << endl;
```

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```
else
    cout<< "No" << endl;
}

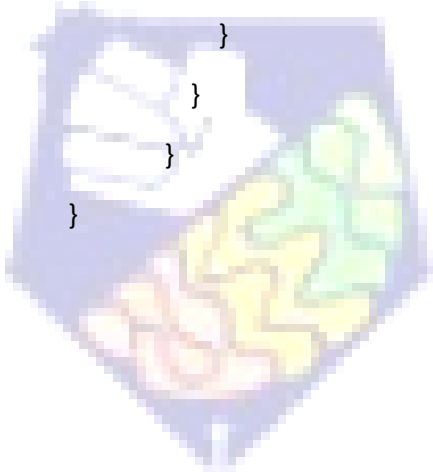
return 0;
}
```

Java

```
import java.util.*;
import java.lang.*;
import java.io.*;
class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        // your code goes here
        Scanner in=new Scanner(System.in);
        int t=in.nextInt();
        while(t-->0){
            String a=in.next();
            String b=in.next();
            int count=0;
            for(int i=0;i<a.length();i++){
                for(int j=0;j<b.length();j++){
                    if(a.charAt(i)==b.charAt(j)){
                        count=1;
                        break;
                    }
                }
            }
        }
    }
}
```

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```
    }  
}  
if(count==1){  
    break;  
}  
}  
if(count==1){  
    System.out.println("Yes");  
}  
else{  
    System.out.println("No");  
}
```



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Python

```
for _ in range(int(input())):
```

```
    a= set(input())
```

```
    b= set(input())
```

```
    ans= False
```

```
    al= len(a)
```

```
    bl= len(b)
```

```
    if(al<bl):
```

```
        for e in a:
```

```
            if(e in b):
```

```
                ans= True
```

```
                break
```

```
    else:
```

```
        for e in b:
```

```
            if(e in a):
```

```
                ans= True
```

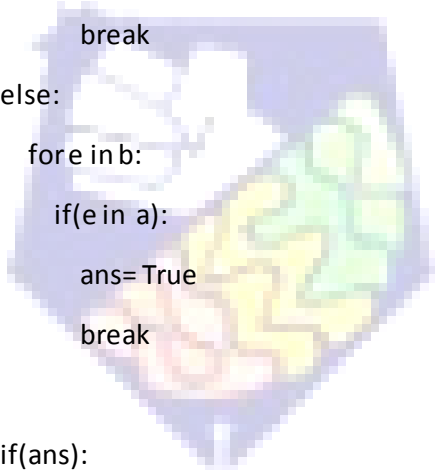
```
                break
```

```
    if(ans):
```

```
        print("Yes")
```

```
    else:
```

```
        print("No")
```



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