■ **PRACTICE**   COMPETE   **JOBS**   **LEADERBOARD**   🔍 Search   💬   🔔¹   👤 **swatantragoswam1** ⌄

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Anagram (em1)

Problem	Submissions	Leaderboard

Given two strings **a** and **b** consisting of lowercase characters. The task is to check whether two given strings are anagram of each other or not. An anagram of a string is another string that contains same characters, only the order of characters can be different. For example, "act" and "tac" are anagram of each other.

Input Format

The first line of input contains an integer **T** denoting the number of test cases. Each test case consist of two strings in 'lowercase' only, in a single line.

Constraints

$1 \le T \le 300$
$1 \le |a|, |b| \le 10^6$

Output Format

Print "**YES**" without quotes if the two strings are anagram else print "**NO**".

Sample Input 0

```
2
this isth
allergy allergic
```

Sample Output 0

```
YES
NO
```

Contest ends in 21 minutes

Submissions: 19
Max Score: 20

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More

Current Buffer (saved locally, editable)   ⑂ ⟳

C++

```cpp
1 ▾#include <cmath>
2  #include <cstdio>
3  #include <vector>
4  #include <iostream>
5  #include <algorithm>
6  #include <bits/stdc++.h>
```

```cpp
 7  using namespace std;
 8  typedef long long int ll;
 9
10  int main() {
11      ll t;
12      cin>>t;
13      while(t-->0)
14      {
15          string s1,s2;
16          int f=0;
17          cin>>s1>>s2;
18          ll f1[26];
19          ll f2[26];
20          memset(f1,0,sizeof(f1));
21          memset(f2,0,sizeof(f2));
22          for(int i=0;i<s1.length();i++)
23          {
24              f1[s1[i]-97]++;
25          }
26          for(int i=0;i<s2.length();i++)
27          {
28              f2[s2[i]-97]++;
29          }
30          for(int i=0;i<26;i++)
31          {
32              if(f1[i]!=f2[i])
33              {
34              f=1;
35              break;
36              }
37          }
38          if(f==0) cout<<"YES"<<"\n";
39          else cout<<"NO"<<"\n";
40
41      }
```

```
42        return 0;
43  }
44
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

---

Testcase 0 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Compile Message

```
Solution.cpp: In function 'int main()':
Solution.cpp:22:22: warning: comparison of integer expressions of different signedness: 'int' and 'std::__cxx
11::basic_string<char>::size_type' {aka 'long unsigned int'} [-Wsign-compare]
        for(int i=0;i<s1.length();i++)
                    ~^~~~~~~~~~~~
Solution.cpp:26:22: warning: comparison of integer expressions of different signedness: 'int' and 'std::__cxx
11::basic_string<char>::size_type' {aka 'long unsigned int'} [-Wsign-compare]
        for(int i=0;i<s2.length();i++)
                    ~^~~~~~~~~~~~
```

Compile Time

Input (stdin)

```
2
this isth
allergy allergic
```

Run Time

Your Output (stdout)

```
YES
NO
```

Expected Output

```
YES
NO
```