



Problem

Result



Can they fuse ?

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Majin Buu is killing the people of planet Earth. So little kids Trunk and Goten are ready to take him down. Since both of them are weaker than their opponent, so they decided to fuse together to become a legendary warrior Gotenks. In order to fuse, their energies should be identical.

Given an integer K and two strings T and G (consisting only of lowercase characters) denoting the energies of Trunk and Goten respectively. You have to tell if their energies are identical or not. Two strings are called identical, if at least K elements are common in them.

Constraints :

Lets say $|S|$ denotes the length of string S .

$1 \leq K \leq 1000$

$1 \leq |T| \leq 1000$

$1 \leq |G| \leq 1000$

Input Format :

Line 1 : Integer K

Line 2 : String T

Line 3 : String G

Output Format :

In a single line print "YES" if they can fuse otherwise print "NO".

Sample Input 1:

```
1 // BEGINNING WITH THE NAME OF ALMIGHTY GOD ALLAH
2 // AUTHOR:: MOHAMMAD FAISAL
3 #include<bits/stdc++.h>
4 using namespace std;
5 int solve(string a, string b) {
6     int table[256] = {0};
7     int result = 0;
8     int len1 = a.length();
9     int len2 = b.length();
10    for (int i=0;i<len1 ; i++)table[a[i]]++;
11    for (int j=0;j<len2; j++)result += (table[b[j]]-- > 0);
12    return result;
13 }
14 int main()
15 {
16     ios_base::sync_with_stdio(false);
17     cin.tie(nullptr);
18     cout.tie(nullptr);
19     int k;
20     cin >> k;
21     string x;
22     cin >> x;
23     string y;
24     cin >> y;
25     int re = solve(x,y);
26     (re>=k) ? cout<<"YES": cout<<"NO";
27     return 0;
28 }
```



Problem

Result



Line 2 : String T

Line 3 : String G

Output Format :

In a single line print "YES" if they can fuse otherwise print "NO".

Sample Input 1:

```
2
abca
aaab
```

Sample Output 1:

YES

Sample Case 1 Explanation :

3 elements are common in both the strings i.e. 'a', 'a' and 'b'.

Sample Input 2:

```
3
abcd
edbfj
```

Sample Output 2:

NO

```
1 // BEGINNING WITH THE NAME OF ALMIGHTY GOD ALLAH
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