Daily Challenge **Happy Coding from necse** **SkillRack**

Shadow Sentences or Not

The program must accept two string values **S1** and **S2** representing two sentences as the input. The program must print **YES** if the two sentences are shadows of each other. Else the program must print **NO** as the output. If two sentences are shadows of each other, then the following conditions must be true.
- The number of words in both sentences must be equal.
- The length of each word that occurs in the same position in both sentences must be equal, but the corresponding words must not share any common characters.

Boundary Condition(s):
1 <= Length of S1, S2 <= 1000

Input Format:
The first line contains S1.
The second line contains S2.

Output Format:
The first line contains YES or NO.

Example Input/Output 1:
Input:
four ten history
tent was damaged

Output:
YES

Explanation:
The two string values **S1** and **S2** contain **3 words** each.
The length of each word S1 is equal to the length of the corresponding word in the same position in S2.
The words **four** and **tent** have no common characters.
The words **ten** and **was** have no common characters.
The words **history** and **damaged** have no common characters.
So YES is printed as the output.

Example Input/Output 2:
Input:
hat mat tiger elephant
run gun water keyboard

Output:
NO

Example Input/Output 3:
Input:
mobile camera
army ant nano

Output:
NO

Max Execution Time Limit: 50 millisecs

Ambiance

Java (12.0)

```java
import java.util.*;
public class Hello {

    public static void main(String[] args) {

        Scanner sc =  new Scanner(System.in);

        String s1[] = sc.nextLine().split(" ");
        String s2[] = sc.nextLine().split(" ");

        if(s1.length!=s2.length){
            System.out.println("NO");
            return;
        }

        for(int i=0;i<s1.length;i++){
            String a=s1[i],b=s2[i];

            if(a.length()!=b.length()){
                System.out.println("NO");
                return;
            }

            int arr1[] = new int[500];
            int arr2[] = new int[500];

            for(int j=0;j<a.length();j++){
                arr1[a.charAt(j)]++;
                arr2[b.charAt(j)]++;
            }

            for(int j=0;j<500;j++){
                if(arr1[j]>0 && arr2[j]>0){
                    System.out.println("NO");
                    return;
                }
            }
        }

        System.out.println("YES");

    }
}
```

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Save Run