



Abbreviation

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Problem

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You can perform the following operation on some string, a :

1. Capitalize zero or more of a 's lowercase letters at some index i (i.e., make them uppercase).
2. Delete all of the remaining lowercase letters in a .

Given q queries in the form of two strings, a and b , determine if it's possible to make a equal to b by performing the above operation on a . If a can be transformed into b , print YES on a new line; otherwise, print NO.

Input Format

The first line contains a single integer, q , denoting the number of queries. The $2q$ subsequent lines describe each query in the following format:

1. The first line of each query contains a single string, a .
2. The second line of each query contains a single string, b .

Constraints

- $1 \leq q \leq 10$
- $1 \leq |a|, |b| \leq 1000$
- String a consists only of uppercase and lowercase English letters.
- String b consists only of uppercase English letters.

Output Format

For each query, print YES on a new line if it's possible to make string a equal to string b by performing the operation specified above; otherwise, print NO.

Sample Input

```
1
daBcd
ABC
```

Sample Output

```
YES
```

Explanation

daBcd \longrightarrow dABcd \longrightarrow ABC

We have $a = daBcd$ and $b = ABC$. We perform the following operation:

1. Capitalize the letters a and c (the characters in green font) in a so that $a = dABcd$.
2. Delete all the remaining lowercase letters (the characters in red font) in a so that $a = ABC$.

Because we were able to successfully convert a to b , we print YES on a new line.

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Max Score: 40

Difficulty: Medium

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Current Buffer (saved locally, editable)  

Java 7



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     static String abbreviation(String a, String b) {
10         // Complete this function
11     }
12
13     public static void main(String[] args) {
14         Scanner in = new Scanner(System.in);
15         int q = in.nextInt();
16         for(int a0 = 0; a0 < q; a0++){
17             String a = in.next();
18             String b = in.next();
19             String result = abbreviation(a, b);
20             System.out.println(result);
21         }
22         in.close();
23     }
24 }
25
```

Line: 1 Col: 1

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