1338 - Hidden Secret!

In this problem you are given two names, you have to find whether one name is hidden into another. The restrictions are:

- 1. You can change some uppercase letters to lower case and vice versa.
- 2. You can add/remove spaces freely.
- 3. You can permute the letters.

And if two names match **exactly**, then you can say that one name is hidden into another.

Input

Input starts with an integer T (≤ 100), denoting the number of test cases.

Each case starts with two lines. Each line contains a name consists of upper/lower case English letters and spaces. You can assume that the length of any name is between 1 and 100 (inclusive).

Output

For each case, print the case number and "Yes" if one name is hidden into another. Otherwise print "No".

Sample Input	Output for Sample Input
3	Case 1: Yes
Tom Marvolo Riddle	Case 2: Yes
I am Lord Voldemort	Case 3: No
I am not Harry Potter	
Hi Pretty Roar to man	
Harry and Voldemort	
Tom and Jerry and Harry	