B: Cowtrain

Time Limit: 1 second

Nick has been caught sending strange messages in Telegram and claims his keyboard has been hacked. Specifically, he claims that some keys, when pressed, map to different letters from the ones that appear on his keyboard.

If Nick's keyboard is actually hacked, two things are true:

- Every time Nick presses a given key, the same letter appears.
- No two different keys produce the same letter.

Given the string Nick wanted to type and the string he did type, is Nick's claim possible?

Input

The first line of input contains a single integer T ($1 \leq T \leq 50$), representing the number of test cases.

The descriptions of T test cases follow. Each test case consists of two lines. The first line contains a string s ($1 \leq |s| \leq 50$) of lowercase letters, the string Nick wanted to type. The second line contains a string t ($|t| = |s|$) of lowercase letters, the string Nick typed.

The strings s and t will be different.

Output

For each test case, if it is possible for Nick's claim to be valid, output `YES`. Otherwise, output `NO`.

Sample Input 1	Sample Output 1
2 cal cow caltrain cowtrain	YES NO

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