First Name Last Name
Problem ID: firstnamelastname

Loc is a hard-working security guard at a company. His company only allows Vietnamese people to enter and leave its office, and Loc has to verify everyone's nationality. One day, a man shows up. For safety, Loc politely asks:

- Good day sir. May I see your card?

The man gives out his card. Unfortunately, the card is at a very bad condition. Loc can not see his nationality at all, and can barely see his full name. The card is at a very bad condition, that Loc can only see his name as a string S, containing all of the characters of the name, but there are no spaces. Since Loc is very smart, he quickly comes up with a way to check the man's nationality. As you may know, Vietnamese names always start with the *last name* (the family name), and end with the *first name*. So Loc asked the man:

- What is your first name and your last name, sir?
- My first name is F and my last name is L. I don't have a middle name.

Given the string S, F and L, please help Loc determine if this man has a valid Vietnamese name, so that Loc can let him in.

Input

The first line contains an integer t ($1 \leq t \leq 10\,000$) — the number of test cases. Then t test cases follow. Each test case is presented in three lines:

- The first line contains the string S — the name of the man without any spaces.
- The second line contains the string F — the first name of the man.
- The third line contains the string L — the last name of the man.

It is guaranteed that each string consists of between 1 and 50 characters, which are lowercase English letter only, and $|F| + |L| = |S|$.

Output

For each test case, output "`YES`" (without quotes) if the man has a valid Vietnamese name, or "`NO`" (without quotes) otherwise.

Explanation of the sample

In the first test case, the man full's name with out spaces is $S =$ "`tranloc`", his *first name* is $F =$ "`loc`", and his *last name* is $L =$ "`tran`". We can see that this is indeed a Vietnamese name, because if we put his *last name* before his *first name*, we will have "`tran loc`", which is the string S when all spaces are removed.

In the second test case, the man's *first name* and *last name* are $F =$ "`albert`" and $L =$ "`einstein`" respectively. If we concatenate his *last name* with his *first name*, we will get "`einstein albert`", which is not the string $S =$ "`alberteinstein`" when all spaces are removed.

Sample Input 1	Sample Output 1
2 tranloc loc tran alberteinstein albert einstein	YES NO