ICPC Assiut University Community



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PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

U. From S To T

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output

You are given three strings s, t and p consisting of lowercase Latin letters. You may perform any number (possibly, zero) operations on these strings.

During each operation you choose any character from p, erase it from p and insert it into string s (you may insert this character anywhere you want: in the beginning of s, in the end or between any two consecutive characters).

For example, if p is aba, and s is de, then the following outcomes are possible (the character we erase from p and insert into s is highlighted):

- \mathbf{a} ba \rightarrow ba, de \rightarrow \mathbf{a} de;
- **a**ba \rightarrow ba, de \rightarrow d**a**e;
- $aba \rightarrow ba$, $de \rightarrow dea$;
- $aba \rightarrow aa$, $de \rightarrow bde$;
- aba → aa, de → dbe;
- $aba \rightarrow aa$, $de \rightarrow deb$;
- $aba \rightarrow ab$, $de \rightarrow ade$;
- $aba \rightarrow ab$, $de \rightarrow dae$;
- $aba \rightarrow ab$, $de \rightarrow dea$;

Your goal is to perform several (maybe zero) operations so that s becomes equal to t. Please determine whether it is possible.

Note that you have to answer q independent queries.

Input

The first line contains one integer q ($1 \le q \le 100$) — the number of queries. Each query is represented by three consecutive lines.

The first line of each query contains the string s ($1 \le |s| \le 100$) consisting of lowercase Latin letters.

The second line of each query contains the string t ($1 \le |t| \le 100$) consisting of lowercase Latin letters.

The third line of each query contains the string p ($1 \leq |p| \leq 100$) consisting of lowercase Latin letters.

Output

For each query print YES if it is possible to make s equal to t, and NO otherwise.

You may print every letter in any case you want (so, for example, the strings yEs, yes, Yes and YES will all be recognized as positive answer).

Example



<u>Assiut University Training -</u> <u>Newcomers</u>

Public

Participant





→ Group Contests



- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type Conditions)

Sheet #10 (General Hard)

Finished

Practice



→ About Time Scaling



This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the <u>link</u>.

Note

In the first test case there is the following sequence of operation:

- 1. s = ab, t = acxb, p = cax;
- 2. s = acb, t = acxb, p = ax;
- 3. s= acxb, t= acxb, p= a.

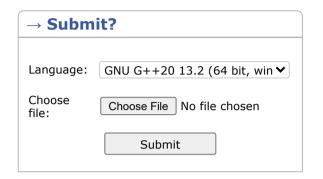
In the second test case there is the following sequence of operation:

- 1. s = a, t = aaaa, p = aaabbcc;
- 2. s = aa, t = aaaa, p = aabbcc;
- 3. s = aaa, t = aaaa, p = abbcc;
- 4. s= aaaa, t= aaaa, p= bbcc.

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest



→ Last submissions		
Submission	Time	Verdict
213137935	Jul/10/2023 17:33	Accepted
213136370	Jul/10/2023 17:22	Accepted
213133105	Jul/10/2023 17:19	Accepted
213132845	Jul/10/2023 17:17	Accepted
213132691	Jul/10/2023 17:16	Accepted
213114753	Jul/10/2023 15:16	Accepted
213108917	Jul/10/2023 14:39	Wrong answer on test 2
213106902	Jul/10/2023 14:26	Wrong answer on test 2
213106755	Jul/10/2023 14:26	Wrong answer on test 2
213106620	Jul/10/2023 14:25	Wrong answer on test 1

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The only programming contests Web 2.0 platform
Server time: May/15/2024 00:03:13 (j3).
Desktop version, switch to mobile version.

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