

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):

- `aba` → `ba`, `de` → `ade`;
- `aba` → `ba`, `de` → `dae`;
- `aba` → `ba`, `de` → `dea`;
- `aba` → `aa`, `de` → `bde`;
- `aba` → `aa`, `de` → `dbe`;
- `aba` → `aa`, `de` → `deb`;
- `aba` → `ab`, `de` → `ade`;
- `aba` → `ab`, `de` → `dae`;
- `aba` → `ab`, `de` → `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  $q$  ( $1 \leq q \leq 100$ ) — the number of queries. Each query is represented by three consecutive lines.

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

The second line of each query contains the string  $t$  ( $1 \leq |t| \leq 100$ ) 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

input	Copy
4 ab acxb cax a aaaa aaabbcc a aaaa aabbcc ab baaa aaaaa	
output	Copy
YES YES NO NO	

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→ About Group



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→ 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

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→ 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 [link](#).

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

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

→ Last submissions

Submission	Time	Verdict
<a href="#">213137935</a>	Jul/10/2023 17:33	Accepted
<a href="#">213136370</a>	Jul/10/2023 17:22	Accepted
<a href="#">213133105</a>	Jul/10/2023 17:19	Accepted
<a href="#">213132845</a>	Jul/10/2023 17:17	Accepted
<a href="#">213132691</a>	Jul/10/2023 17:16	Accepted
<a href="#">213114753</a>	Jul/10/2023 15:16	Accepted
<a href="#">213108917</a>	Jul/10/2023 14:39	Wrong answer on test 2
<a href="#">213106902</a>	Jul/10/2023 14:26	Wrong answer on test 2
<a href="#">213106755</a>	Jul/10/2023 14:26	Wrong answer on test 2
<a href="#">213106620</a>	Jul/10/2023 14:25	Wrong answer on test 1

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