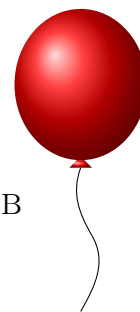


# E Evolution of Weasels



TIME LIMIT: 2.0s  
MEMORY LIMIT: 2048MB

A wild basilisk just appeared at your doorstep. You are not entirely sure what a basilisk is and you wonder whether it evolved from your favorite animal, the weasel.

How can you find out whether basilisks evolved from weasels? Certainly, a good first step is to sequence both of their DNAs. Then you can try to check whether there is a sequence of possible mutations from the DNA of the weasel to the DNA of the basilisk.

Your friend Ron is a talented alchemist and has studied DNA sequences in many of his experiments. He has found out that DNA strings consist of the letters **A**, **B** and **C** and that single mutations can only remove or add substrings (a substring is a contiguous sequence of characters). The substrings that can be removed or added by a mutation are **AA**, **BB**, **CC**, **ABAB** or **BCBC**. During a sequence of mutations a DNA string may even become empty.

Ron has agreed to sequence the DNA of the weasel and the basilisk for you, but finding out whether there is a sequence of possible mutations that leads from one to the other is too difficult for him, so you have to do it on your own.

## INPUT

Each test contains multiple test cases. The first line contains an integer  $t$  ( $1 \leq t \leq 100$ ) — the number of test cases. The descriptions of the  $t$  test cases follow.

The first line of each test case contains a string  $u$  ( $1 \leq |u| \leq 200$ ) — the DNA of the weasel.

The second line of each test case contains a string  $v$  ( $1 \leq |v| \leq 200$ ) — the DNA of the basilisk.

The values  $|u|$ ,  $|v|$  denote the lengths of the strings  $u$  and  $v$ . It is guaranteed that both strings  $u$  and  $v$  consist of the letters **A**, **B** and **C**.

## OUTPUT

For each test case, print **YES** if there is a sequence of mutations to get from  $u$  to  $v$  and **NO** otherwise.

**SAMPLES**

Sample input 1	Sample output 1
8	NO
A	NO
B	NO
B	YES
C	YES
C	YES
A	YES
AA	NO
BB	
BB	
CC	
CC	
AA	
ABAB	
BCBC	
ABC	
CBA	