

Creativity

Ed, Edd and Eddy are given an art homework. They have to prepare a banner and print a single line of text on it. They can print any text they want. Ed has decided the text that he wants to put on his banner. Lets call it string s_1 . But he is too lazy to make a new banner all by himself. He borrows an old banner from a friend. But this banner has some different text already printed on it. Lets call it string s_2 . Ed's 'brilliant' mind came up with an idea. He got a pair of scissors and wants to cut the banner at atmost two places so that only the text that he wants to display is left on a single continuous piece of the banner.

For example, if the string already printed on the banner (i.e. S_2) is "i like cartoons" and the string that he wants to take (i.e. S_1) is "like", then he can simply cut the banner before and after "like" and obtain s_1 .

Another example, if s_1 is "hello there" and s_2 is "hello hi there", there is no way Ed can obtain s_1 .

Your job is to tell Ed if it is possible to make his banner from the borrowed banner.

Input:

The first line of input contains an integer t - the number of test cases. Each test case consists of two lines. The first line of each test case contains s_1 , the string that Ed wants to display on his banner. The second line of each test case contains s_2 , the string that is already there on the banner that he borrowed from his friend.

Output:

For each test case, output 'possible' if it is possible for Ed to make his banner by cutting in atmost two different places. Output 'not possible' if Ed cannot make the banner.

Remember that Ed wants exactly the same text as string s_1 on his banner.

Constraints:

$$1 \leq t \leq 10$$

$$1 \leq \text{Length of } s_1, s_2 \leq 10000$$

s_1 and s_2 will contain only lower-case alphabets and spaces

Sample test cases:

Input:

5

hello

hi hello hi

def

abc def

java

python

c

cplusplus

hellohi

hellotherehi

Output:

possible

possible

not possible

possible

not possible