

Find Substring from last of the Given String

Given a string and a sub-string, your task is to find the last index of that sub-string that appears in the given String.

If the given sub-string doesn't appear in the string then print "-1".

Input:

The first line of input contains an integer T denoting the no of test cases.

Then T test cases follow. Each test case contain a sub-string S and a string S1.

Output:

For each test case in a new line print the required result.

Constraints:

$1 \leq T \leq 100$

$1 \leq S, S1 \leq 10000$

Example:

Input:

2

geek

geeksforgeeks

abc

ababc

Output:

9

3