**Replace by X**

[searching](http://www.practice.geeksforgeeks.org/tag-page.php?tag=searching&isCmp=0)[string](http://www.practice.geeksforgeeks.org/tag-page.php?tag=string&isCmp=0)[Amazon](http://www.practice.geeksforgeeks.org/tag-page.php?tag=Amazon&isCmp=1)

Given a string and a pattern, Replace all the continuous occurrence of pattern with a single X in the string. For a clear view see the example below.

**Input:**

The first line of input contains an integer T denoting the number of test cases.  
The first line of each test case is string str.  
The second line of each test case contains a string s,which is a pattern.  
  
**Output:**

Print the modified string str.  
  
**Constraints:**

1 ≤ T ≤ 100  
1 ≤ size of str,s ≤ 1000  
  
**Example:**

Input  
2  
abababcdefababcdab  
ab  
geeksforgeeks  
geeks

Output  
XcdefXcdX  
XforX

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=424>

#include <iostream>

#include <stdio.h>

using namespace std;

int main() {

    int t;

    scanf("%d", &t);

    while(t--) {

        string str="",s="";

        cin >> str >> s;

        // cout << str << " " << s << endl;

        string ans = "";

        int i = 0;

        while (i < str.length()) {

            bool es = false;

            while (i < str.length() && str.substr(i, s.length()) == s) {

                es = true;

                i += s.length();

            }

            if (es){

                ans += "X";

            }

            if (i < str.length()) ans += str[i];

            i++;

        }

        cout << ans << endl;

    }

 return 0;

}