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LIVE

What others are solving.

LIST

List all your submissions.

TRIED

Problems not solved yet.

FAQS

Need help using the tool?

ANSWERS

What does this mean?

SOURCE CODE

[EDIT & SUBMIT](#)

VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 25382275

PROBLEM: 1077 - Infix to Posfix
ANSWER: **Accepted**
LANGUAGE: C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME: 0.000s
FILE SIZE: 1.22 KB
MEMORY: -
SUBMISSION: 10/21/21, 4:31:33 AM

SOURCE CODE

```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5
6 string InfixToPostfix(string &S){
7
8     string postfix = "";
9     stack<char> pila;
10    for(char n:S){
11        if(n == '+' || n == '-'){
12            while(!pila.empty()){
13                if(pila.top() == '(')
14                    break;
15                postfix+=pila.top();
16                pila.pop();
17            }
18            pila.push(n);
19        }
20        else if(n == '*' || n == '/'){
```

FORUM

Get help to solve problems.

```
23         break;
24         postfix+=pila.top();
25         pila.pop();
26     }
27     pila.push(n);
28 }
29 else if(n=='^'){
30     while(!pila.empty()){
31         if(pila.top()=='+' || pila.top()=='-' || pila.top()=='*' || pila.top()=='/' || pila
32             break;
33         postfix+=pila.top();
34         pila.pop();
35     }
36     pila.push(n);
37 }
38
39 else if(n=='('){
40     pila.push(n);
41 }
42 else if(n==')'){
43     while(pila.top() != '('){
44         postfix+=pila.top();
45         pila.pop();
46     }
47     pila.pop();
48 }
49
50 else{
51     postfix += n;
52 }
53 }
54
55 while(!pila.empty()){
56     postfix+=pila.top();
57     pila.pop();
58 }
59
60 return postfix;
61 }
62
63
64 int main(){
65
66     int n;
67     cin>>n;
68     vector<string> S(n);
69     for(int i=0; i<n; ++i){
70         cin>>S[i];
71     }
```

```
72     for(int i=0; i<n; ++i){
73         cout<<InfixToPostfix(S[i])<<endl;
74     }
75
76
77     return 0;
78
```