```
Stack<Integer> inStack = new Stack();
Stack<Integer> outStack = new Stack();
public MyQueue() {
public void push(int x) {
public void transfer() {
  if (!outStack.isEmpty()) return;
  while (!inStack.isEmpty()) {
     outStack.push(inStack.pop());
public int pop() {
  transfer();
   return outStack.pop();
public int peek() {
  transfer();
   return outStack.peek();
public boolean empty() {
  return outStack.empty() && inStack.empty();
```

```
public int calPoints(String[] ops) {
    Stack<Integer> stack = new Stack<>();
    for (String op : ops) {
        if (op.equals("+")) {
            int a = stack.pop();
            int b = stack.peek() + a;
            stack.push(a);
            stack.push(b);
        } else if (op.equals("D")) {
                stack.push(2 * stack.peek());
        } else if (op.equals("C")) {
                 stack.pop();
        } else {
                  stack.push(Integer.parseInt(op));
        }
    }
    int result = 0;
    for (Integer integer : stack) {
                result += integer;
        }
    return result;
}
```

3.LeetCode 844. 比较含退格的字符串

```
public static boolean backspaceCompare(String S, String T) {
    int i = S.length() - 1, j = T.length() - 1;
                break;
           if (T.charAt(j) == '#') {
                break;
        if (i >= 0 && j >= 0) {
           if (S.charAt(i) != T.charAt(j)) return false;
```

4.LeetCode 946 验证栈序列

题目链接

6.LeetCode 1021 删除最外层的括号

```
public String removeOuterParentheses(String S) {
    StringBuilder stringBuilder = new StringBuilder();
    for (int i = 0, pre = 0, count = 0; i < S.length(); i++) {
        if (S.charAt(i) == '(') {
            count++;
        } else {
            count--;
        }
        if (count != 0) continue;
        stringBuilder.append(S.substring(pre + 1, i));
        pre = i + 1;
    }
    return stringBuilder.toString();
}</pre>
```

```
class Solution {
   public String removeOuterParentheses(String S) {
        StringBuilder sb = new StringBuilder();
        int level = 0;
        for (char c : S.toCharArray()) {
            if (c == ')') --level;
            if (level >= 1) sb.append(c);
            if (c == '(') ++level;
            }
        return sb.toString();
}
```

7.LeetCode 1249. 移除无效的括号

题目链接

1

8.LeetCode 145. 二叉树的后序遍历

题目链接

递归法

1

迭代法

1

9.LeetCode 331 验证二叉树的前序序列化

题目链接

1

10.LeetCode 227 基本计算器II

题目链接

1

11.LeetCode 636 函数的独占时间

1

12.LeetCode 1124. 表现良好的最长时间段

