```
Stack<Integer> inStack = new Stack();
Stack<Integer> outStack = new Stack();
public MyQueue() {
public void push(int x) {
public void transfer() {
   while (!inStack.isEmpty()) {
     outStack.push(inStack.pop());
public int pop() {
  transfer();
   return outStack.pop();
public int peek() {
  transfer();
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 boolean backspaceCompare(String S, String T) {
   return backspace(S).equals(backspace(T));
}

public String backspace(String str) {
   StringBuilder stringBuilder = new StringBuilder();
   for (int i = 0; i < str.length(); i++) {
      char ch = str.charAt(i);
      if (ch == '#') {
        if (stringBuilder.length() > 0)
            stringBuilder.deleteCharAt(stringBuilder.length() - 1);
      } else {
        stringBuilder.append(ch);
      }

      return stringBuilder.toString();
}
```

```
ic static boolean backspaceCompare(String S, String T) {
int countS = 0, countT = 0;
int i = S.length() - 1, j = T.length() - 1;
while (i >= 0 \mid \mid j >= 0) {
            break;
        if (T.charAt(j) == '#') {
            break;
    if (i >= 0 \&\& j >= 0) {
        if (S.charAt(i) != T.charAt(j)) return false;
return true;
```

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 5) {
   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>
```

```
s 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

船长思路

```
public String minRemoveToMakeValid(String s) {
    char[] t = new char[s.length()];
    char[] ans = new char[s.length()];
    int tlen = 0;
    for (int i = 0, cnt = 0; i < s.length(); i++) {
        if (s.charAt(i) != ')') {
            if (s.charAt(i) != '')' cnt++;
            t[tlen++] = s.charAt(i);
        } else {
            if (cnt == 0) continue;
            cnt--;
            t[tlen++] = ')';
        }
}

int ansHead = tlen;
for (int i = tlen - 1, cnt = 0; i >= 0; i--) {
        if (t[i] != '(') {
            if (t[i] == ')') cnt++;
            ans[--ansHead] = t[i];
        } else {
        if (cnt == 0) continue;
            cnt--;
            ans[--ansHead] = '(';
        }
}
return new String(ans).trim();
}
```

小李思路

```
public String minRemoveToMakeValid(String s) {

StringBuilder stringBuilder = new StringBuilder(s);

Deque<Integer> stack = new LinkedList<>();

for (int i = 0; i < s.length(); i++) {

if (s.charAt(i) == '(') {</pre>
```

8.LeetCode 145. 二叉树的后序遍历

题目链接

迭代法

```
31 }
32 return result;
33 }
```

9.LeetCode 331 验证二叉树的前序序列化

题目链接

船长思路

```
public boolean isValidSerialization(String preorder) {
   String[] strings = preorder.split(",");
   List<String> list = new ArrayList<>();
   for (int i = 0; i < strings.length; i++) {
        list.add(strings[i]);
        int lastIndex = list.size() - 1;
        while (list.size() >= 3 && list.get(lastIndex).equals("#") &&
        list.get(lastIndex - 1).equals("#") && !list.get(lastIndex - 2).equals("#")) {
        list.set(lastIndex - 2, "#");
        list.remove(lastIndex);
        list.remove(lastIndex - 1);
        lastIndex = list.size() - 1;
        lastIndex = listIndex - 1;
        lastIndex = listIndex - 1;
```

小李思路

```
public int calculate(String s) {
   Deque<Integer> stack = new LinkedList<>();
   int n = s.length();
       if (Character.isDigit(s.charAt(i))) {
       if (!Character.isDigit(s.charAt(i)) && s.charAt(i) != ' ' || i == n
           switch (preSign) {
                   break;
                   stack.push(stack.pop() / num);
                   break;
   while (!stack.isEmpty()) {
       result += stack.pop();
```

11.LeetCode 636 函数的独占时间

```
1    class Task {
2        int id = 0;
3        int time = 0;
4        boolean isStart = true;
5
6        Task(String[] split) {
7        id = Integer.valueOf(split[0]);
```

12.LeetCode 1124. 表现良好的最长时间段

```
public int longestWPI(int[] hours) {
    int sum = 0;
    int res = 0;

    HashMapxInteger, Integer> sumToIndex = new HashMap<>();

    for (int i = 0; i < hours.length; i++) {
        if (hours[i] > 8) {
            sum++;
        } else {
                sum--;
        }

        if (sum > 0) {
            res = i + 1;
        } else {
            if (!sumToIndex.containsKey(sum)) {
                 sumToIndex.put(sum, i);
            }

        if (sumToIndex.containsKey(sum - 1)) {
            res = Math.max(res, i - sumToIndex.get(sum - 1));
        }

        return res;
    }
}
```

Daikeba #课吧