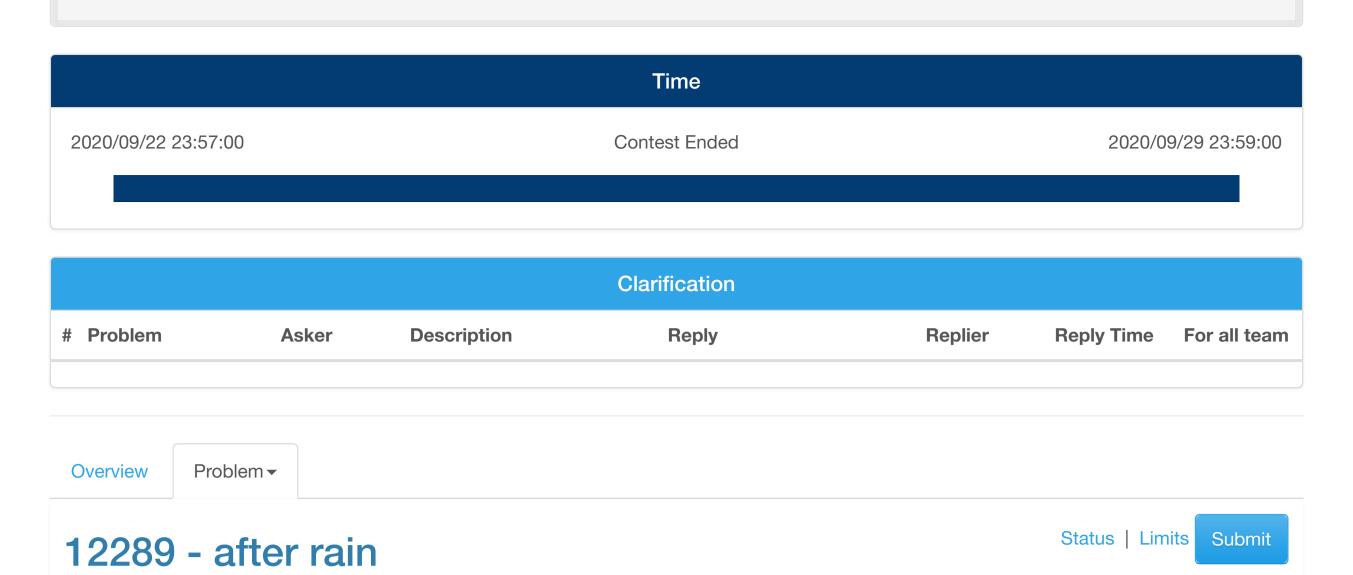
Register

### 2098 - I2P(II)2020\_Chen\_week2\_HW Scoreboard



### **Description**

After rain comes sunshine and rainbow.

5/17 is the International Day Against Homophobia, Transphobia and Biphobia(國際不再恐同日), which is also the day that legislative committees trial the special law about LGBT. They eventually pass a draft that fully in line with the referendum, which make Taiwan be the first Asia country that pass a law for LGBT.

flags, he wondered that these rainbow flags might be a clue of the location of his queen. He will give some operations about these flags, you are going to help him, or he'll spit on you.

Knuckles is on his way of finding his queen. When he arrived Taiwan and see a lot of rainbow

"Blue", "Purple", which are the color of rainbow. Knuckles has a sequence of colors. Initially, the sequence is empty.

• There are colors on these flags. The colors include: "Red", "Orange", "Yellow", "Green",

- Knuckles has several operations: insert, erase1, erase2, reverse, show.
- insert <color> <dest>: means insert <color> after the location of <dest>. For
  - example, insert Yellow 5 means insert a "Yellow" after the 5-th location. If <dest> is larger than the length of the sequence, just regard it as the last location of the sequence. erase1 <dest>: means erase the color locates at <dest>. For example, erase1 4
  - will erase the 4-th color in the sequence. If <dest> is larger than the length of the sequence, just regard it as the last location of the sequence. erase2 <color> : means erase all <color> in the sequence. For example, erase2
  - Purple will erase all the "Purple" in the sequence. After the operation, There should be no "Purple" in the sequence. • reverse <dest1> <dest2>: means reverse the elements from <dest1> to <dest2>.
  - If the order was originally {"Yellow", "Purple", "Blue"}, after reversing, the order should become {"Blue", "Purple", "Yellow"}. If <dest1> or <dest2> is larger than the length of the sequence, just regard it as the last location of the sequence. show: show the sequence according to the order.
- You are going to implement a linked list that support these operations. We have implemented

show operation, what you have to do is to implement the remaining operations: insert, erase1, erase2, reverse. If you have further questions, please reference to the sample I/O.

Input

The first line contains an integer n, indicates the number of operations. There are n lines below. Each line contains one operations described above.

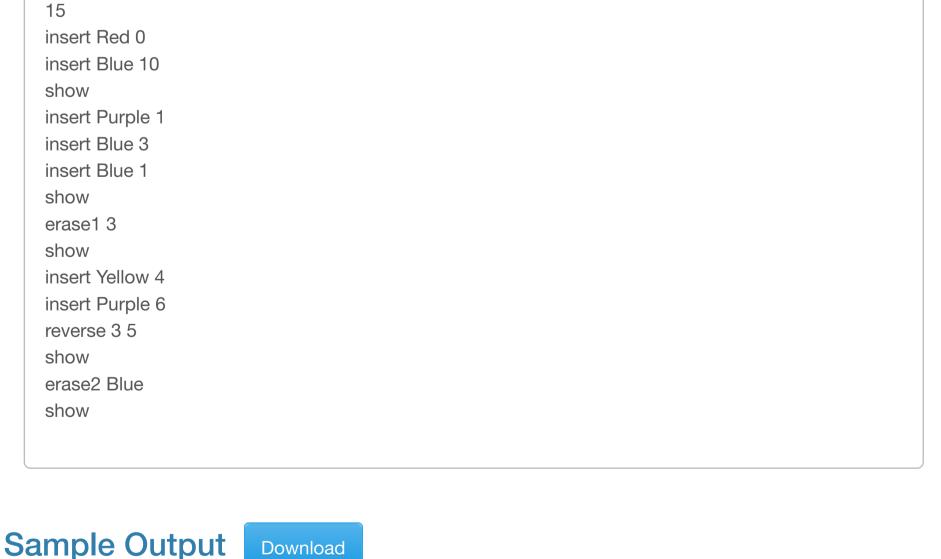
<color> will only appear the 6 colors described above.

```
erase1: 1 <= <dest> <= 10000
reverse: 1 <= <dest1>, <dest2> <= 10000
1 <= n <= 5000
Output
```

insert: 0 <= <dest> <= 10000

### When show operation is called, you should output the correct sequence after operating.

Sample Input Download



# Red Blue

Red Blue Blue Blue

Red Yellow Purple

Red Blue Purple Blue Blue Red Blue Yellow Blue Blue Purple

Partial Judge Code

## Partial Judge Header

12289.h

12289.c

# **Tags**

**Discuss** 

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