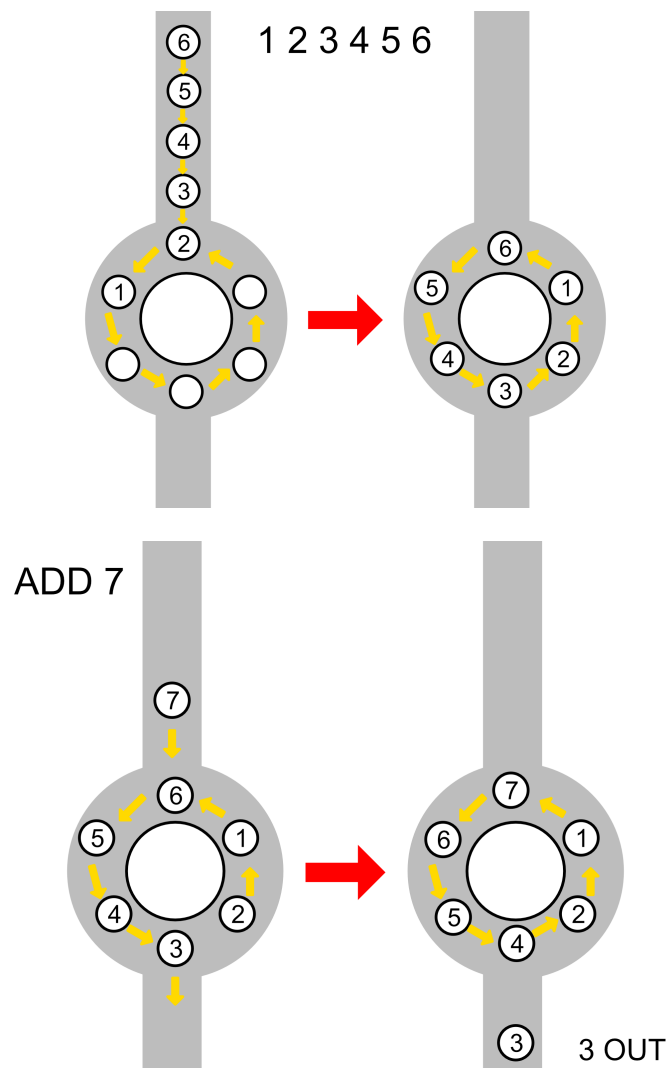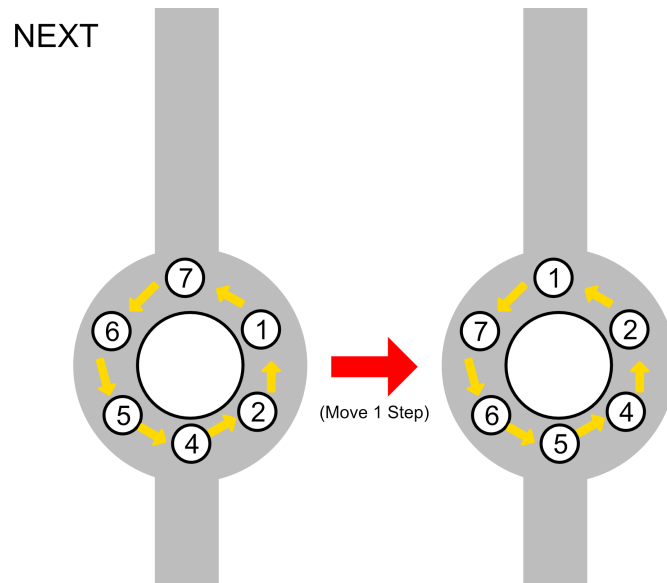# Roundabout

Time Limit: 1 s
Memory Limit: 256 MB

Description

The GG roundabout is the only roundabout in Oiho. Therefore, GG roundabout is the most iconic place of Oiho that makes many tourists want to stop and take pictures there. However, the roundabout is only enough to accommodate 6 cars. So that if a new car enters, the car whose position is at the exit of the round must leave that round. Also, sometimes the police have to command the cars to move a step forward when needed. Therefore, make a program to record the cars that leave the GG roundabout after 1 day. For example, if there are cars with id **1, 2, 3, 4, 5, 6** Enters, then the first car has to get to the very end (See image below). And then when a CAR with id **7** enters (ADD 7), the CAR with id **3** has to leave the roundabout. Then, when the police instructs to move (NEXT), then each CAR has to move a step forward.

NEXT

(Move 1 Step)

Input

- The first line is **INITIAL_CARS** which represents the initial sequence of cars. The amount of cars is always **6**
- The next lines is **COMMAND** which represents the command that consists of:
  - **1** : it means *ADD* a car to the Roundabout and then followed by **CAR** that will be the id of the car that will be inserted
  - **0** : it means *NEXT* (Move each car 1 Step Counterclockwise)
  - **-1** : it means *STOP* The program and print the output
- STOP the Input when **COMMAND** is equal to **-1**

Output

- Print `Cars left the Roundabout: `, followed by the list of the cars that left the Roundabout separated by space. If there is no car that left the Roundabout, print `No Cars left the Roundabout`

Constraints

- The amount of **INITIAL_CARS** = *6*
- Each **CAR** *id* inserted will be *UNIQUE*
- **CAR** *id* > 0

EXAMPLES

#0

Input
2 4 6 8 10 12 0 0 0 0 0 1 1 1 3 -1
Output
Cars left the Roundabout: 4 6

#1

Input
1 2 3 4 5 6 1 7 0 0 1 9 1 10 0 1 8 0 0 1 12 -1
Output
Cars left the Roundabout: 3 6 7 2 4

#2

Input
1 3 5 7 9 11 0 -1
Output
No Cars left the Roundabout