

# Stepping Stones Game

Bob sees his younger brother, Jack, playing **Stepping Stones**. He is fascinated by the most interesting game and decides to play it.

Square boxes have been made on the ground with the help of chalk powder, and a number is assigned to each block. Bob is standing in front of these blocks. From here, he will throw a stone 1 block far, move to that block; pick up the stone and then he will throw the stone two blocks far from here, move to that block; pick up the stone, and throw the stone three blocks far from here, move to that block, and so on.

**What's the catch of the game??**. The catch of the game is to check if it is possible to reach  $N^{th}$  block in this manner.

Bob is a bit lazy. He will make a move only if he is sure that he can reach the  $N^{th}$  block. So, tell him if he should make a move or not?

## Input Format

First line of input contains an integer  $T$  denoting the number of times Bob plays this game. Each of the next  $T$  lines contains a single integer  $N$  denoting the  $N^{th}$  block.

## Output Format

Output consists of several lines as per the following criteria: If bob is able to reach  $N^{th}$  block, then print **Go On Bob** with the number of moves required to reach to the  $N^{th}$  block **both separated by a space**. If Bob is not able to reach the  $N^{th}$  block, then print **Better Luck Next Time**.

## Constraints

$$1 \leq T \leq 10^5$$

$$1 \leq N \leq 10^{18}$$

## Sample Input #00:

```
1
2
```

## Sample Output #00:

```
Better Luck Next Time
```

## Explanation: #00:

Bob can jump to the  $1^{st}$  Block. From here, he is allowed to make a move to the  $3^{rd}$  Block only. So, he cannot step onto  $2^{nd}$  Block.

## Sample Input #01:

1  
3

### Sample Output #01:

Go On Bob 2

### Explanation: #01:

As explained in the previous test case, Bob can make a second move to reach to the **3<sup>rd</sup>** Block. So, he can step on **3<sup>rd</sup>** block in just 2 moves.