You will be given a list of 32 bit unsigned integers. Flip all the bits  $(1 \to 0$  and  $0 \to 1)$  and return the result as an unsigned integer.

## Example

```
n = 9_{10}
```

 $9_{10} = 1001_2$ . We're working with 32 bits, so:

 $000000000000000000000000001001_2 = 9_{10}$ 

Return 4294967286.

# **Function Description**

Complete the flippingBits function in the editor below.

flippingBits has the following parameter(s):

· int n: an integer

#### Returns

· int: the unsigned decimal integer result

## **Input Format**

The first line of the input contains q, the number of queries.

Each of the next q lines contain an integer, n, to process.

## **Constraints**

$$1 \leq q \leq 100$$
$$0 \leq n < 2^{32}$$

#### Sample Input

```
3
2147483647
1
0
```

#### Sample Output

```
2147483648
4294967294
4294967295
```

## **Explanation**

get 11111111111111111111111111110 which in turn is 4294967294.