# Flipping bits



You will be given a list of 32 bit unsigned integers. Flip all the bits (1->0 and 0->1) and print the result as an unsigned integer.

# **Input Format**

The first line of the input contains T, the number of test cases The next T lines each contain an integer to process.

#### **Constraints**

```
\begin{array}{l} 1 \leq T \leq 100 \\ 0 \leq integer < 2^{32} \end{array}
```

# **Output Format**

Output one line per element from the list with the decimal value of the resulting unsigned integer.

#### Sample Input 0

```
3
2147483647
1
0
```

# **Sample Output 0**

```
2147483648
4294967294
4294967295
```

#### **Explanation 0**