Day 10: Binary Numbers!

Problem Statement

Welcome to Day 10! Check out this video for a review of *binary numbers*, or just jump right into the problem.

For this challenge, convert a given number, n, from decimal (base 10) to binary (base 2).

Input Format

The first line contains a single integer, T, the number of test cases. The T subsequent lines of test cases each contain a single value, n, the base 10 positive integer to be converted.

Constraints
$1 \le T \le 1000$
$1 \le n \le 2^{31}$

Output Format

For each test case, print the value of n in binary on a new line.

Sample Input

```
2
4
5
```

Sample Output

```
100
101
```

Explanation

Test Case 0: $n=4$ evaluates to $1 \times 2^2 + 0 \times 2^1 + 0 \times 2^0 = 1 \times 4 + 0 + 0 = 100$.
Test Case 1: $n=5$ evaluates to $1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0 = 1 \times 4 + 0 + 1 \times 1= 101$.