Complement of Base 10 Number

Try to solve the Complement of Base 10 Number problem.

We'll cover the following

Statement

For any n positive number in base 10, return the complement of its binary representation as an integer in base 10.

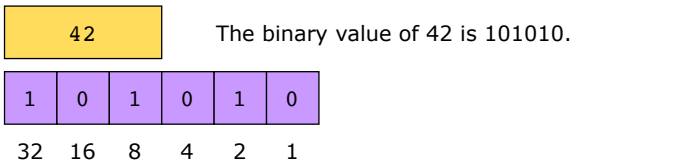
Constraints

- $0 \leq n \leq 10^9$

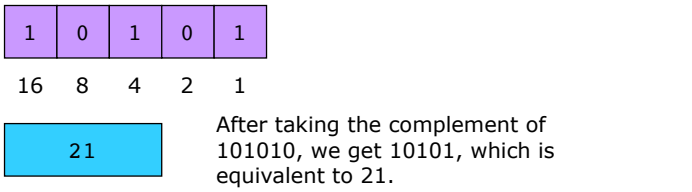
Examples

Sample example 1

Input



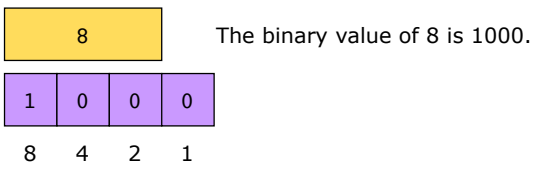
Output



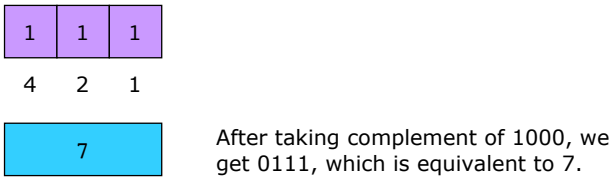
1 of 3

Sample example 2

Input



Output

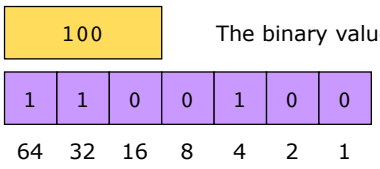


After taking complement of 1000, we get 0111, which is equivalent to 7.

2 of 3

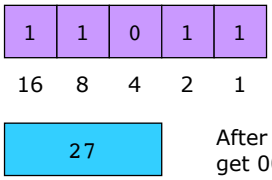
Sample example 3

Input



The binary value of 100 is 1100100.

Output



After taking complement of 1100100, we get 0011011, which is equivalent to 27.

3 of 3

Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

> **Note:** The binary complement of each input decimal value is provided for help.

Complement of Base 10 Number

1 What is the correct output if the following value is given as input?

Input = 39

A) 24

B) 39

C) 27

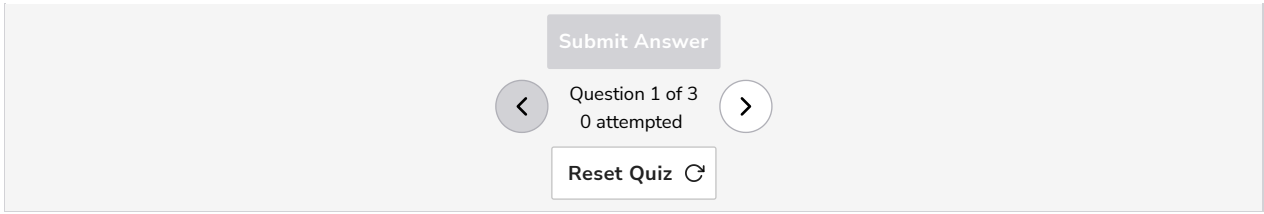
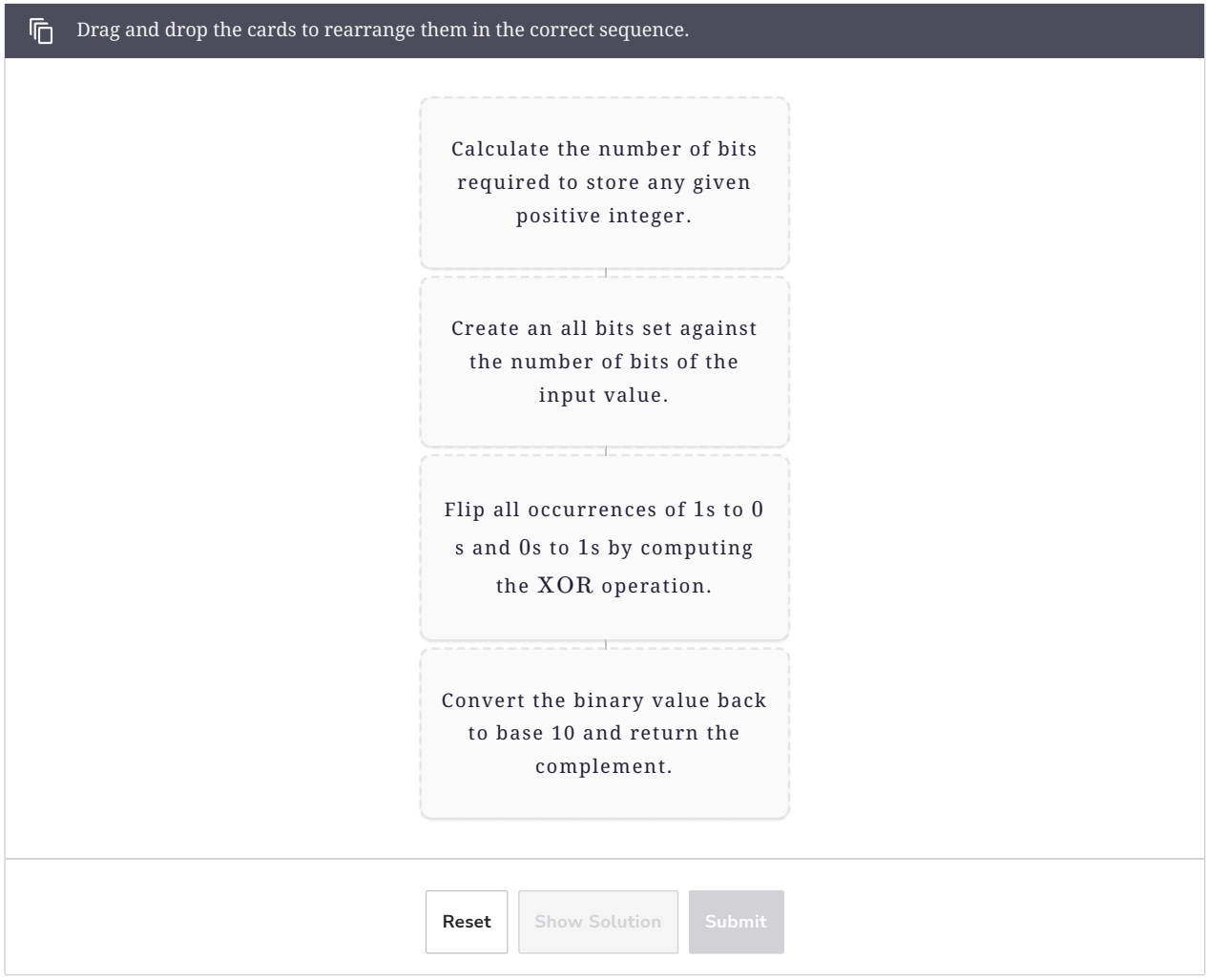


Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.



Try it yourself

Implement your solution in the following coding playground:

Powered by AI

Submit

Test Cases | Results

Case 1 | Case 2 | Case 3

Input #1

42

Complement of Base 10 Number

Back

Solution: Find the Diff...

Next

Solution: Complement...

Mark as Completed