

# BitPlay69

You are given 2 integers **N** and **M**.

Print the smallest **K**, such that  $N \oplus K > M$ . Here,  $\oplus$  is the Bitwise XOR Operator.

## Input

The first line contains a single integer  $T(1 \leq T \leq 100)$  - The number of test cases.

The first and only line of each test case contains 2 integers  $N$  and  $M$  ( $1 \leq N, M \leq 10^{17}$ )

## Output

A single Integer - **K**.

## Example:

**Input:**

4

3 5

3 2

69 696

696 96

**Output:**

4

0

640

0