### Set kth bit

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Given a number N and a value K. From the right, set the Kth bit in the binary representation of N. The position of LSB(or last bit) is 0, second last bit is 1 and so on. Also,  $0 \le K \le X$ , where X is the number of bits in the binary representation of N.

## Input:

First line of input contains a single integer T which denotes the number of test cases. T test cases follows. First line of each test case contains two space separated integers N and K.

## **Output:**

For each test case, print the new number after setting the Kth bit of N.

#### **Constraints:**

1<=T<=100

1<=N<=1000

# **Example:**

# Input:

2

10 2

153

# **Output:**

14

15