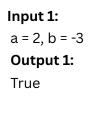
### Day 33 (18/07/2025)

1	Check i	f Two	<b>Numbers</b>	Have	Onnosite	Signs
ㅗ.	CHECK	1 1 17 10	140111111212	IIave	Opposite	JIZIIS

Given two integers a and b, check whether they have opposite signs using bitwise operations.



### Input 2:

a = -4, b = -5

#### Output 2:

False

### 2. Turn Off the Rightmost Set Bit

Given an integer n, turn off (clear) its rightmost set bit and return the new number.

## Input 1: n = 12 Output 1: 8

### Input 2:

n = 10

### Output 2:

8

### 3. Isolate the Rightmost Set Bit

Given an integer n, isolate and return only the rightmost set bit as a new number (all other bits should be 0).

# Input 1: n = 10 Output 1: 2

Input 2:

n = 12

Output 2:

4