# **201. Bitwise AND of Numbers Range**

https://leetcode.com/problems/bitwise-and-of-numbers-range/description/

Given two integers left and right that represent the range [left, right], return *the bitwise AND of all numbers in this range, inclusive*.

**Example 1:**

Input: left = 5, right = 7  
Output: 4

**Example 2:**

Input: left = 0, right = 0  
Output: 0

**Example 3:**

Input: left = 1, right = 2147483647  
Output: 0

**Constraints:**

* 0 <= left <= right <= 231 - 1