**[Bitwise AND of Numbers Range](https://leetcode.com/problems/bitwise-and-of-numbers-range/)**

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

class Solution {

public:

    int rangeBitwiseAnd(int left, int right) {

        int cnt = 0;

        while (left != right) {

            left >>= 1;

            right >>= 1;

            cnt++;

        }

        return (left << cnt);

    }

};

Link : <https://leetcode.com/problems/bitwise-and-of-numbers-range/solutions/4759881/beats-100-users-c-java-python-javascript-explained/?envType=daily-question&envId=2024-02-21>