* **Task**

You are given two numbers a and b where 0 ≤ a ≤ b. Imagine you construct an array of all the integers from a to b inclusive. You need to count the number of 1s in the binary representations of all the numbers in the array.

* **Example**

For a = 2 and b = 7, the output should be 11

Given a = 2 and b = 7 the array is: [2, 3, 4, 5, 6, 7]. Converting the numbers to binary, we get [10, 11, 100, 101, 110, 111], which contains 1 + 2 + 1 + 2 + 2 + 3 = 11 1s.

* **Input/Output**
  + [input] integer a

Constraints: 0 ≤ a ≤ b.

* + [input] integer b

Constraints: a ≤ b ≤ 100.

* + [output] an integer

PUZZLES

GAMES

<http://www.codewars.com/kata/simple-fun-number-10-range-bit-counting/train/csharp>

public static int RangeBitCount(int a, int b)

{

//coding and coding..

int sum = 0;

for (int i = a; i <= b; i++)

{

sum += Convert.ToString(i, 2).Count(e => e == '1');

}

return sum;

}