Implement a function that, given an integer n, will return the number of bits in its binary representation.

**Example**

For n = 50, the output should be  
countBits(n) = 6.

5010 = 1100102, a number that consists of 6 digits. Thus, the output should be 6.

**Input/Output**

* **[time limit] 4000ms (py)**
* **[input] integer n**

A positive integer.

*Constraints:*  
1 ≤ n ≤ 109.

* **[output] integer**

The number of bits in binary representation of n.

<https://codefights.com/arcade/python-arcade/meet-python/7bGkfoFf65CiqbX3s>

def **countBits**(n):

return n.bit\_length()

print countBits(50)