

두 정수를 입력받아 몇 비트가 다른지 계산하라.

Input: x = 1, y = 4

Output: 2

Explanation:

1 (0 0 0 1)

4 (0 1 0 0)

↑ ↑

The above arrows point to positions where the corresponding bits are different.]

1.비트 연산 shift

class Solution:

def hammingDistance(self, x: int, y: int) -> int:

result = 0

z = x ^ y

while z != 0:

if (z & 1):

result += 1

z >>= 1

return result

class Solution:

def hammingDistance(self, x: int, y: int) -> int:

return bin(x ^ y).count('1')