

2169. Count Operations to Obtain Zero(計算到 0 的次數)

傳入 2 個非負值的整數, `num1` 及 `num2`.

在一次計算步驟中, 你可以進行以下 2 個動作其中之一:

如果, if `num1 >= num2`, 就將 `num1` 的值減去 `num2` 的值;

要不然, 就將 `num2` 的值減去 `num1` 的值.

- 例如, 假設 `num1 = 5` 並且 `num2 = 4`, 因為 `num1` 的值比較大, 我們將 `num1` 減去 `num2`, 可得 `num1 = 1` 而且 `num2 = 4`. 這稱為一次計算步驟.

如果反覆進行計算步驟直到 `num1` 為 0 或 `num2` 為 0 才停止, 請問共經過幾個計算步驟?
請回傳這個值.

Example 1:

Input: `num1 = 2, num2 = 3`

Output: 3

Explanation:

- Operation 1: `num1 = 2, num2 = 3`. Since `num1 < num2`, we subtract `num1` from `num2` and get `num1 = 2, num2 = 3 - 2 = 1`.

- Operation 2: `num1 = 2, num2 = 1`. Since `num1 > num2`, we subtract `num2` from `num1`.

- Operation 3: `num1 = 1, num2 = 1`. Since `num1 == num2`, we subtract `num2` from `num1`.

Now `num1 = 0` and `num2 = 1`. Since `num1 == 0`, we do not need to perform any further operations.

So the total number of operations required is 3.

Example 2:

Input: `num1 = 10, num2 = 10`

Output: 1

Explanation:

- Operation 1: $\text{num1} = 10$, $\text{num2} = 10$. Since $\text{num1} == \text{num2}$, we subtract num2 from num1 and get $\text{num1} = 10 - 10 = 0$.

Now $\text{num1} = 0$ and $\text{num2} = 10$. Since $\text{num1} == 0$, we are done.

So the total number of operations required is 1.

Constraints:

- $0 \leq \text{num1}, \text{num2} \leq 10^5$