Author

[jeba\_s](https://codefights.com/profile/jeba_s)

https://codefights.com/img/coins_new.png1000

Given two numbers that should be added,a and b, find the number of [carries](https://en.wikipedia.org/wiki/Carry_(arithmetic)) in their pencil-and-paper addition.

**Example**

For a = 27 and b = 59, the output should be  
CountCarries(a, b) = 1.

¹

27

+ 59

----

86

7 + 9 = 16, and the digit 1 is the carry.

* **[input] integer a**

A positive number.

* **[input] integer b**

A positive number.

* **[output] integer**

The number of carries.

<https://codefights.com/challenge/dfCZ2g22MFWw5K6bJ>

static int CountCarries(int a, int b)

{

int carries = 0;

int mellevo = 0;

//mientras pueda controlar ambos A y B

while (a > 0 && b > 0)

{

//si me llevo algo hay carries

if (mellevo > 0)

carries++;

int res = a % 10 + b % 10 + mellevo;

//si res es mayor a 9 tiene 2 digitos, por tanto me llevo lo que resta del numero / 10

if (res > 9)

mellevo = res / 10;

else

mellevo = 0;

a /= 10;

b /= 10;

}

while (a > 0)

{

if (mellevo > 0)

carries++;

int res = a % 10 + mellevo;

if (res > 9)

mellevo = res / 10;

else

mellevo = 0;

a /= 10;

}

while (b > 0)

{

if (mellevo > 0)

carries++;

int res = b % 10 + mellevo;

if (res > 9)

mellevo = res / 10;

else

mellevo = 0;

//j--;

b /= 10;

}

//si queda algo almacenado de lo que me llevo hay carries

if (mellevo > 0)

carries++;

return carries;

}