A *digital root* is a positive single-digit integer which is obtained by adding digits of the initial number and repeating this process while it has more than one digit.

Given a positive integer as a string, return its digital root.

**Example**

* For n = "24" the result is  
  2 + 4 ==> 6.
* For n = "39" the result is  
  3 + 9 ==> 12 ==> 1 + 2 ==> 3.
* For n = "999" the result is  
  9 + 9 + 9 ==> 27 ==> 2 + 7 ==> 9.
* **[input] string n**
  + The input number, can contain up to 100digits, n > 0
* **[output] integer**
  + The digital root.

<https://codefights.com/challenge/7HtSqXrR2fAugzeJZ>

--ACEPTADO--

**int** digitalroot(String n) {

    String copia = n;

**while** (copia.length() > 1)

            {

**int** sum = 0;

**for** (**int** i = 0; i < copia.length(); i++)

                {

                    sum += Integer.parseInt( String.valueOf( copia.charAt(i)));

                }

                copia = String.valueOf(sum);

            }

**return** Integer.parseInt(copia);

}