

## A. Life Without Zeros

time limit per test: 2 seconds  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

Can you imagine our life if we removed all zeros from it? For sure we will have many problems.

In this problem we will have a simple example if we removed all zeros from our life, it's the addition operation. Let's assume you are given this equation  $a + b = c$ , where  $a$  and  $b$  are positive integers, and  $c$  is the sum of  $a$  and  $b$ . Now let's remove all zeros from this equation. Will the equation remain correct after removing all zeros?

For example if the equation is  $101 + 102 = 203$ , if we removed all zeros it will be  $11 + 12 = 23$  which is still a correct equation.

But if the equation is  $105 + 106 = 211$ , if we removed all zeros it will be  $15 + 16 = 211$  which is not a correct equation.

### Input

The input will consist of two lines, the first line will contain the integer  $a$ , and the second line will contain the integer  $b$  which are in the equation as described above ( $1 \leq a, b \leq 10^9$ ). There won't be any leading zeros in both. The value of  $c$  should be calculated as  $c = a + b$ .

### Output

The output will be just one line, you should print "YES" if the equation will remain correct after removing all zeros, and print "NO" otherwise.

### Examples

input
101 102
output
YES

  

input
105 106
output
NO