

# Candies

Input file: *standard input*  
Output file: *standard output*  
Time limit: 5 seconds  
Memory limit: 1024 mebibytes

Suppose you have numbers  $x_1$ ,  $x_2$ , and  $x_3$ . Initially, all of them are zeroes. In one step, you may increase one of the numbers by 1. The only condition is that, at any time,  $x_1$  should be the greatest among  $x_1$ ,  $x_2$ , and  $x_3$  (formally,  $x_1 \geq x_2$  and  $x_1 \geq x_3$ ). In how many ways can you reach  $x_1 = a$ ,  $x_2 = b$ , and  $x_3 = c$  in the end? Two ways are different if they differ in at least one step.

Since the answer can be very large, output it modulo the prime number 998 244 353.

## Input

The first line contains three integers  $a$ ,  $b$ , and  $c$ , where  $1 \leq b, c \leq a \leq 10\,000$ .

## Output

The output should contain one number, which is equal to the number of ways modulo the prime number 998 244 353.

## Example

<i>standard input</i>	<i>standard output</i>
4 3 2	368