

BACK

## Arithmetic Expression



DESCRIPTION

SOLUTIONS 19366

COMMENTS 18



CODEWRITING

SCORE: 300/300

Consider an arithmetic expression of the form  $a\#b=c$ . Check whether it is possible to replace  $\#$  with one of the four signs:  $+$ ,  $-$ ,  $*$  or  $/$  to obtain a correct expression.

**Example**

- For  $a = 2$ ,  $b = 3$  and  $c = 5$ , the output should be  
`arithmeticExpression(a, b, c) = true`.

We can replace  $\#$  with  $+$  to obtain  $2 + 3 = 5$ , so the answer is `true`.

- For  $a = 8$ ,  $b = 2$  and  $c = 4$ , the output should be  
`arithmeticExpression(a, b, c) = true`.

We can replace  $\#$  with  $/$  to obtain  $8 / 2 = 4$ , so the answer is `true`.

- For  $a = 8$ ,  $b = 3$  and  $c = 2$ , the output should be  
`arithmeticExpression(a, b, c) = false`.

- $8 + 3 = 11 \neq 2$ ;
- $8 - 3 = 5 \neq 2$ ;
- $8 * 3 = 24 \neq 2$ ;
- $8 / 3 = 2.(6) \neq 2$ .

So the answer is `false`.

**Input/Output**

- [execution time limit] 4 seconds (js)
- [input] integer  $a$

*Guaranteed constraints:*

$$1 \leq a \leq 20.$$

- [input] integer  $b$

*Guaranteed constraints:*

$$1 \leq b \leq 20.$$

- [input] integer  $c$

