Sometimes, programmers do weird things, such as calling uselessly the same function several times. In this exercise, you will face this situation. Your job is to write a new (and better!) version of a given code.  
  
Consider the following function:

**fun** {SlowAdd X Y}

{Delay 1000}

X + Y

**end**

Delay is used to wait at least 1000 milliseconds before running the rest of the code. Therefore, as this function returns X + Y, its purpose is to slowly add the two arguments X and Y. We use delay to simulate a slow execution.

CALLEDONLYONCE

(1/1 point)

Now, consider this call of Browse:

{Browse {SlowAdd 1000 1} + {SlowAdd 1000 1} + {SlowAdd 1000 1}}

You are asked to transform this Browse call, in order to call only once the SlowAdd function. To store the result of the SlowAdd call, introduce a new variable X with the code:

**local** X **in**

...

**end**



1

local X in

2

X = {SlowAdd 1000 1}

3

{Browse X + X + X}

4

end

correct

Correct

* *Your answer:* 3003
* *Expected answer:* 3003

## TRUE OR FALSE?

(1/1 point)

Check the true statement(s):

Начало формы

A recursive function is a function that calls itself., Recursive procedures exist., - correct

A recursive function is a function that calls itself.

Recursive procedures exist.

A recursive function will never loop infinitely.

Конец формы

**Show Answer**Reveal Answer