

Overestimate

Mr. M and Mr. O are discussing putting a problem. They found that the effort to write a problem is $a * b + c$ for some a, b, c . Since, Mr. O is evil, he wants to maximize the effort that Mr. M will do writing the problems.

help Mr. O to do this

Input

Given a, b and c ($0 \leq a, b, c \leq 1,000,000$) Find an ordering for them such that $a * b + c$ is maximum.

Output

The maximum effort Mr M can do.

Example

Input:

2 3 4

Output:

14

Explanation of sample input:

There are 6 different ways to order the numbers

$2 * 3 + 4$

$2 * 4 + 3$

$3 * 2 + 4$

$3 * 4 + 2$

$4 * 2 + 3$

$4 * 3 + 2$

But the max value we can reach is 14 which can be achieved by $3 * 4 + 2$