

## B. Memo and Momo

time limit per test: 1 second🕒

memory limit per test: 256 megabytes

input: standard input

output: standard output

Memo and Momo are playing a game. Memo will choose a positive number  $a$ , and Momo will choose a positive number  $b$ .

Your task is to tell them who will win according to the following rules:

- If both  $a$  and  $b$  are divisible by  $k$ , both of them win and you should print "Both".
- If  $a$  is divisible by  $k$  but  $b$  isn't, Memo wins and you should print "Memo".
- If  $b$  is divisible by  $k$  but  $a$  isn't, Momo wins and you should print "Momo".
- If both  $a$  and  $b$  are not divisible by  $k$ , no one wins and you should print "No One".

### Input

Only one line containing three positive numbers  $a$ ,  $b$  and  $k$  ( $1 \leq a, b, k \leq 10^{18}$ ).

### Output

Print the answer as described in the statement.

### Examples

input	Copy
15 7 3	
output	Copy
Memo	

input	Copy
22 10 2	
output	Copy
Both	

Assiut University Training - Newcomers

Public

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→ About Group



ICPC Assiut community

Group website

→ Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

Contest #1

Finished

Practice



→ About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for