



## Problem K. Kentucky

In one of the US presidential election vote-counting centers of Kentucky, there were two officers, Mr.Green and Mr.Solidar. Each of them thought that he was wiser than the other, so they planned to prove their wisdom to one another by using the vote boxes. Accessing two of the vote boxes, Mr.Green started first. Following the procedure, he took some votes from the box containing a bigger amount of votes. The amount of votes he takes must be a multiplier of the number of votes in the other box. There came the other officer's turn, and the procedure repeated until one of the boxes became empty of votes. The one who first finished one of the box's votes succeeded to prove his wisdom.

You tell us who the mentioned officer was.

### Input

In the first line, you are given an integer  $t$  ( $1 \leq t \leq 10^5$ ), the number of testcases. In the next  $t$  lines each line contains two integers  $a$  and  $b$ , ( $0 \leq a, b \leq 10^{18}$ ), the number of votes each box contains at the beginning.

### Output

Output  $t$  integers, the officer who has proved his wisdom for each test. if Mr.Green proved his wisdom print "Mr.Green" (without quotations), otherwise if Mr.Solidar proved his wisdom print "Mr.Solidar" (without quotations).

### Example

test	answer
4	Mr.Solidar
6 4	Mr.Solidar
8 5	Mr.Green
15 8	Mr.Green
7 14	