# Problem 3 – Lili's magic numbers

Lili’s magic numbers are magical 3-digit numbers, for which the first two digits, summed, are equal to the third digit.

You will receive 3-digit numbers, separated by a space, on a single line. If there is one or more of them which are Lili magic numbers, you must print them on the next line. If there are none, you must print “No magic numbers.” If all of them are magic numbers, you need to take their last digits, sum them, and make a factorial of that sum, and then print it.

### Input

* The input will consist of a single line with 3-digit numbers separated by space.

### Output

* The output is as specified above.

### Constraints

* The numbers will only be 3-digit.
* There will be no invalid input.
* Allowed time/memory: 100ms/16MB

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| --- | --- |
| **Input** | **Output** |
| 123 456 789 | 123 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| 112 134 145 | 39916800 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| Bla | Bla |