# Softuniada 2019

## Digitivision

You will be given 3 digits. Your task is to find if there is any 3-digit number:

* **Formed** by the **given digits**
* That is **divisible** (**without** **remainder**) by the **sum** of the **given digits**

If there is **any number** fulfilling the conditions specified above, you should print "Digitivision successful!".

If there is **no such** number, you should print "No digitivision possible.".

### Input

The input comes in 3 input lines, each of them containing a single digit.

### Output

Depending on whether a "digitivision" is possible or not you should print one of the following lines:

* "Digitivision successful!", if there is a successful "digitivision" without remainder.
* "No digitivision possible.", if there is no possible "digitivision" without remainder.

### Constraints

* The input lines will contain **only** **digits** – integers in **range [0, 9]**.
* Allowed time / memory: 100ms / 16MB.

### Examples

|  |  |  |
| --- | --- | --- |
| ****Input**** | ****Output**** | ****Comment**** |
| **6**  **2**  **1** | **Digitivision successful!** | The sum of the digits is 9. We start forming the numbers:  621 / 9 = 69 612 / 9 = 68 261 / 9 = 29 216 / 9 = 24 162 / 9 = 18 126 / 9 = 14  There are 6 possible divisions without remainder.  We needed only 1.  Hence, the "digitivision" is possible. |
| **3**  **3**  **4** | **No digitivision possible!** | The sum of the digits is 10. We start forming the numbers:  334 / 10 = 33.4 (remainder 0.4) 343 / 10 = 34.3 (remainder 0.3) 433 / 10 = 43.3 (remainder 0.3)  There are no possible divisions without remainder.  Hence, the "digitivision" is NOT possible. |