# 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<br>2<br>1 | `Digitivision successful!` | The **sum** of the **digits** is **9**. We start forming the numbers:<br>**`621 / 9 = 69`**<br>**`612 / 9 = 68`**<br>**`261 / 9 = 29`**<br>**`216 / 9 = 24`**<br>**`162 / 9 = 18`**<br>**`126 / 9 = 14`**<br>There are **6 possible divisions** without **remainder**.<br>We needed only **1**.<br>Hence, the "**`digitivision`**" is **possible**. |
| 3<br>3<br>4 | `No digitivision possible!` | The **sum** of the **digits** is **10**. We start forming the numbers:<br>**`334 / 10 = 33.4 (remainder 0.4)`**<br>**`343 / 10 = 34.3 (remainder 0.3)`**<br>**`433 / 10 = 43.3 (remainder 0.3)`** |

| | | |
|---|---|---|
| | | There are **no possible divisions** without **remainder**.<br>Hence, the "**`digitivision`**" is **NOT possible**. |