**Problem 3**

Write a function named **math\_operations** that receives different number of integers as arguments and 4 keyword arguments. The keys will be single letters: **"a"**, **"s"**, **"d"**, **"m"** and the values will be numbers.

You need to take **each integer argument** from the sequence and do mathematical operation as follows:

* The **first** element should be **added** to the value of the key **"a"**
* The **second** element should be **subtracted** from the value of the key **"s"**
* The **third** element should be **divisor** to the value of the key **"d"**
* The **fourth** element should be **multiplied** by the value of the key **"m"**
* Each **result** should **replace** **the** **value** of the corresponding key
* You must **repeat** the same steps **consecutively** until you run out of numbers

Beware: **You cannot divide by 0**. If the operation **could throw an error** you have to **delete the element** from the sequence and **continue to the next operation**.

For more clarifications, see the examples below.

***Note: Submit only the function in the judge system***

### Input

* There will be **no input**, just parameters passed to your function

### Output

* Thefunction should **return the final dictionary**

### Constrains

* All of the given numbers will be valid integers in the range [-100, 100]

### Examples

|  |  |
| --- | --- |
| **Test Code** | **Output** |
| print(math\_operations(2, 12, 0, -3, 6, -20, -11, a=1, s=7, d=33, m=15)) | {'a': 9, 's': 15, 'd': -3.0, 'm': -45} |
| **Comment** | |
| We create 1 args list: **[2, 12, 0, -3, 6, -20, -11]** and 1 kwargs dict: **{'a': 1, 's': 7, 'd': 33, 'm': 15}**. We start calculating from the first number and the first key-value:  1) 1 + 2 = 3 -> add 3 to the key **'a'**  2) 7 – 12 = -5 -> add -5 to the key **'s'**  3) 33 / 0 throws **ZeroDivisionError** -> remove 0 and continue to the next operation  4) 15 \* (-3) = (-45) ->add -45 to the key **'m'**  5) 3 + 6 = 9 -> add 3 to the key **'a'**  6) (-5) - (-20) = 15 -> add 3 to the key **'s'**  7) 33 / (-11) = (-3.0) -> add 3 to the key **'d'** | |
| print(math\_operations(-1, 0, 1, 0, 6, -2, 80, a=0, s=0, d=0, m=0)) | {'a': 5, 's': 2, 'd': 0.0, 'm': 0} |
| print(math\_operations(6, a=0, s=0, d=0, m=0)) | {'a': 6, 's': 0, 'd': 0, 'm': 0} |