

In [20]:

```
1 class MathDojo:
2     def __init__(self):
3         self.result = 0
4
5     def add(self, num, *nums):
6         self.result += num
7         for i in nums:
8             self.result += i
9         return self
10
11    def subtract(self, num, *nums):
12        self.result -= num
13        for i in nums:
14            self.result -= i
15        return self
16
17    # crear una instruccion:
18    md = MathDojo()
19
20    # para probar:
21    #x = md.add(2).add(2,5,1).subtract(3,2).result
22    #x=md.add(7,5,3).add(8,6,4).add(5,1,7).result
23    x=md.add(7,5,3).add(8,6,4).add(5,1,7).subtract(4).subtract(3,2).subtract(4,1,2).result
24
25    print(x)    # debe imprimir 30
26
```

In []:

```
1 import unittest
2
3 class MathDojo:
4     def __init__(self):
5         self.result = 0
6
7     def add(self, num, *nums):
8         self.result += num
9         for i in nums:
10             self.result += i
11         return self
12
13     def subtract(self, num, *nums):
14         self.result -= num
15         for i in nums:
16             self.result -= i
17         return self
18
19 # crear una instruccion:
20 md = MathDojo()
21
22 # para probar:
23 #x = md.add(2).add(2,5,1).subtract(3,2).result
24 #x=md.add(7,5,3).add(8,6,4).add(5,1,7).result
25 #x=md.add(7,5,3).add(8,6,4).add(5,1,7).subtract(4).subtract(3,2).subtract(4,1,2).result
26 #print(x) # debe imprimir 30
27
28 class MathDojoTests(unittest.TestCase):
29     def setUp(self):
30         self.md = MathDojo()
31
32     def testAdd(self):
33         self.assertEqual(self.md.add(2,4,6,8,10).result,30)
34
35     def testSubtract(self):
36         self.assertEqual(self.md.subtract(2,4,6,8,10).result,-30)
37
38 if __name__ == '__main__':
39     unittest.main()
```

In []:

```
1 Resultado
2
3 Ran 2 tests in 0.000s
4
5 OK
```