

File Edit View Insert Cell Kernel Help



Code

Cell Toolbar: None

Env:

np18py27-1.9

```
In [1]: import math
class Punto(object):
    def __init__(self,x,y):
        self.x=x
        self.y=y
    def vector_to(self,otro):
        return Vector(otro.x-self.x,otro.y-self.y)
    def __str__(self):
        return 'Punto('+str(self.x)+','+str(self.y)+')'
    def distancia(self,otro):
        return self.vector_to(otro).modulo()

class Vector(object):
    def __init__(self,x,y):
        self.x=x
        self.y=y
    def escalar(self,otro):
        return self.x*otro.x+self.y*otro.y
    def modulo(self):
        return math.sqrt(self.escalar(self))
```

```
In [2]: p=Punto(2,3)
p.distancia(Punto(0,0))
```

```
Out[2]: 3.605551275463989
```

```
In [3]: p
```

```
Out[3]: <__main__.Punto at 0x17b07d0>
```

```
In [4]: print p
```

```
Punto(2,3)
```