Actividad 1

Integrantes:

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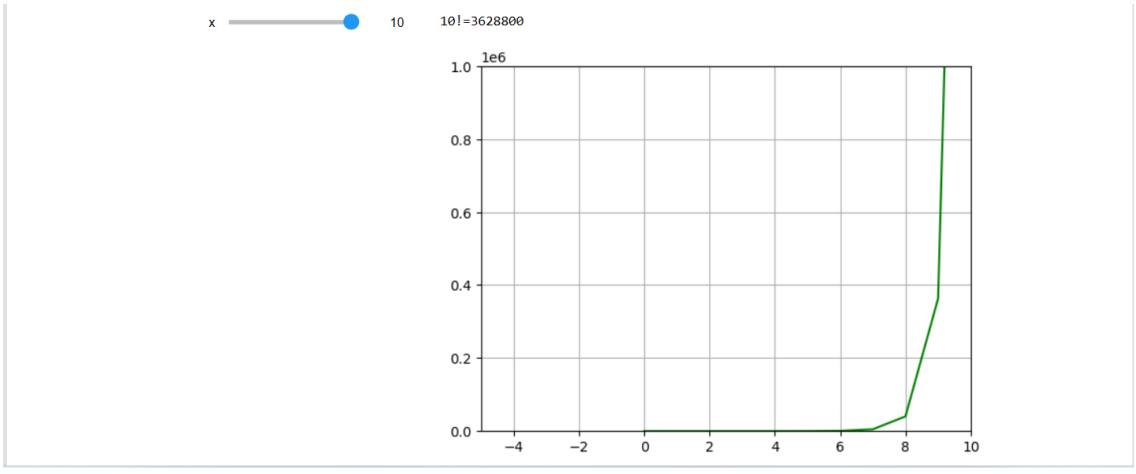
Liber

```
In [1]: import ipywidgets as widgets
from ipywidgets import interact, interactive, fixed, interact_manual
import numpy as np
import matplotlib.pyplot as plt
import math

x = widgets.IntSlider(description = 'x',min= 0, max = 10)


def f(x):

    listx = []
    listy = []
    y = math.factorial(x)
    print('{}!={}'.format(x,y))

    for i in range (0,x+1):
        listx.append(i)

    for j in range (0,x + 1):
        listy.append(math.factorial(j))


    #print(listx)
    #print(listy)
    plt.ylim(-5,1000000)
    plt.xlim(-5,10)
    plt.plot(listx,listy, color = 'green')
    plt.grid()
    plt.show()



out = widgets.interactive_output(f, {'x': x})

widgets.HBox([widgets.VBox([x]), out])
```



Código

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