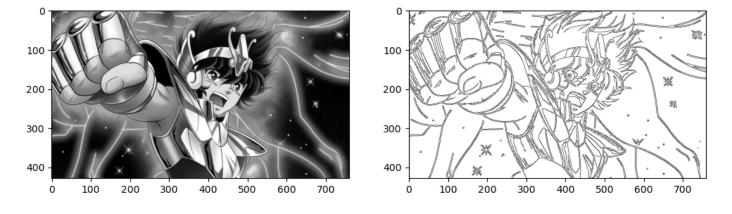
```
In [1]: import cv2
         import matplotlib.pyplot as plt
         from ipywidgets import interactive
         import numpy as np
In [2]: change = cv2.imread('./images/one-piece.jpg', cv2.IMREAD GRAYSCALE)
In [3]: def my threshold(thresh):
            global dst
             global change
             th, dst = cv2.threshold(change, thresh, 255, cv2.THRESH BINARY)
             fig, axes = plt.subplots(1, 2, figsize=(12,16))
             axes[0].imshow(change, 'gray')
             axes[1].imshow(dst, 'gray')
         interactive (my threshold, thresh=(0, 255))
        interactive(children=(IntSlider(value=127, description='thresh', max=255), Output()), d
        om classes=('widget-in...
In [7]: def my_blur(x, filtro):
            global dst
            global change
             match filtro:
                 case 'GaussianBlur':
                     dst = cv2.GaussianBlur(change, (x,y), cv2.BORDER DEFAULT)
             fig, axes = plt.subplots(1, 2, figsize=(12,16))
             axes[0].imshow(change, 'gray')
             axes[1].imshow(dst, 'gray')
         filtros = ['GaussianBlur']
         interactive (my blur, x=(1, 255, 2), filtro=filtros)
          File "C:\Users\joseg\AppData\Local\Temp\ipykernel 8960\3020035044.py", line 4
            match filtro:
        SyntaxError: invalid syntax
In [37]: def my canny(x, y):
            global dst
            global change
            dst = cv2.Canny(change, x, y)
             fig, axes = plt.subplots(1, 2, figsize=(12,16))
             axes[0].imshow(change, 'gray')
             axes[1].imshow(dst, 'gray')
         interactive (my canny, x=(0, 255), y=(0, 255))
        interactive(children=(IntSlider(value=127, description='x', max=255), IntSlider(value=12
        7, description='y', ma...
In [5]: #criando modelos
         myimage = cv2.imread('./images/v-c.jpg', cv2.IMREAD GRAYSCALE)
         edge = cv2.Canny(myimage, 100, 200)
         th, dst = cv2.threshold(edge, 127, 255, cv2.THRESH BINARY INV+cv2.THRESH OTSU)
         th, dst bi = cv2.threshold(myimage, 127, 255, cv2.THRESH BINARY)
         result = dst
         fig, axes = plt.subplots(1, 2, figsize=(12, 16))
         axes[0].imshow(myimage, 'gray')
         axes[1].imshow(result, 'gray')
         <matplotlib.image.AxesImage at 0x199bac0bee0>
```

Out[5]:



In [ ]: