

Test

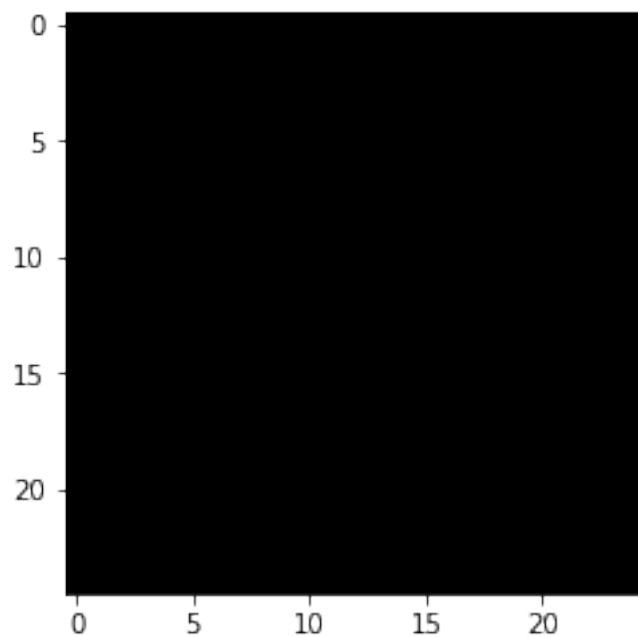
April 28, 2019

```
In [4]: import cv2
import numpy as np
import matplotlib.pyplot as plt
```

```
In [2]: shp = (25,25)
out = np.zeros(shp + (3, ), dtype=int)
```

```
In [8]: fig = plt.figure(100)
fig.canvas.set_window_title('Main')
plt.imshow(out, cmap="Greys")
```

```
Out[8]: <matplotlib.image.AxesImage at 0x12a022668>
```



```
In [9]: out.shape
```

```
Out[9]: (25, 25, 3)
```

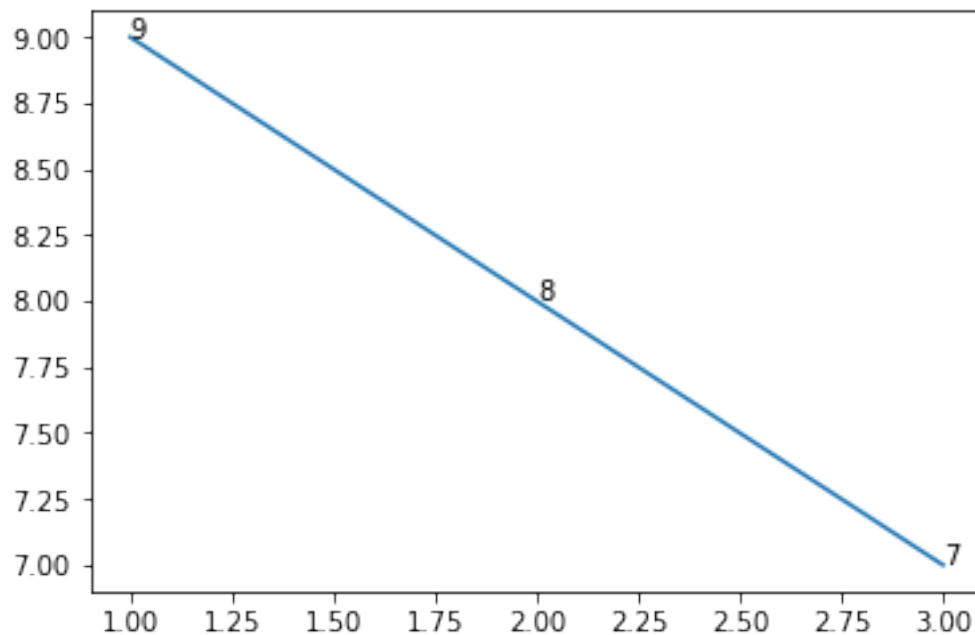
```
In [10]: narrow = np.zeros(shp, dtype=int)
```

```
In [12]: narrow.shape
```

```
Out[12]: (25, 25)
```

```
In [14]: x=[1,2,3]
         y=[9,8,7]
```

```
plt.plot(x,y)
for a,b in zip(x, y):
    plt.text(a, b, str(b))
plt.show()
```



```
In [23]: import numpy as np
         import matplotlib.pyplot as plt

         fig, ax = plt.subplots()

         min_val, max_val = 0, 25

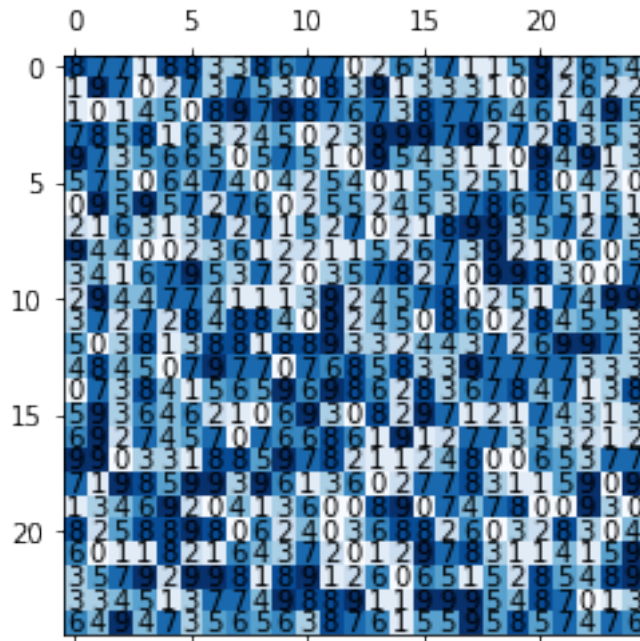
         intersection_matrix = np.random.randint(0, 10, size=(max_val, max_val))

         fig = ax.figure
         fig.canvas.set_window_title('4-Way')
         ax.matshow(intersection_matrix, cmap=plt.cm.Blues)
```

```

for i in range(25):
    for j in range(25):
        c = intersection_matrix[j,i]
        ax.text(i, j, str(c), va='center', ha='center')

```



```

In [19]: import numpy as np
import matplotlib.pyplot as plt

fig, ax = plt.subplots()

min_val, max_val = 0, 25

for i in range(25):
    for j in range(25):
        c = intersection_matrix[i][j]
        ax.text(i+0.5, j+0.5, str(c), va='center', ha='center')

plt.matshow(intersection_matrix, cmap=plt.cm.Blues)

ax.set_xlim(min_val, max_val)
ax.set_ylim(min_val, max_val)
ax.set_xticks(np.arange(max_val))
ax.set_yticks(np.arange(max_val))
ax.grid()

```

IndexError

Traceback (most recent call last)

```
<ipython-input-19-1b7eb98fa916> in <module>
      8 for i in range(25):
      9     for j in range(25):
----> 10         c = intersection_matrix[i][j]
      11         ax.text(i+0.5, j+0.5, str(c), va='center', ha='center')
      12
```

IndexError: index 15 is out of bounds for axis 0 with size 15

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9

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0

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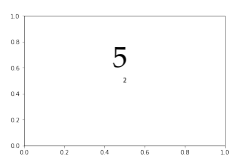
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```
In [ ]:
```