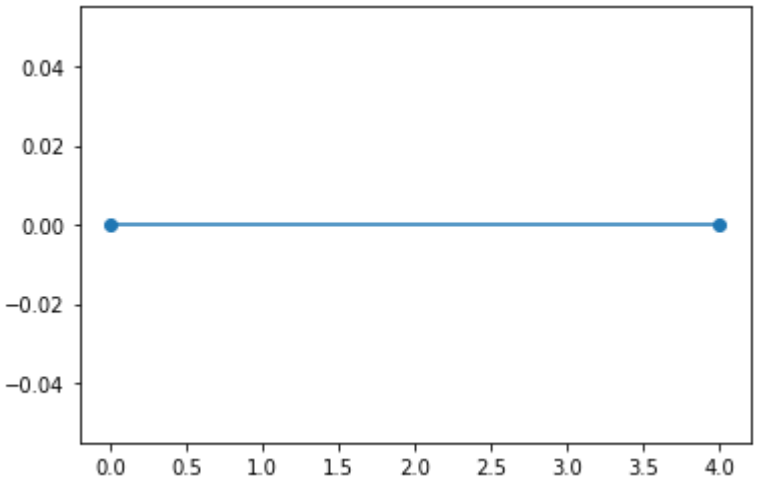
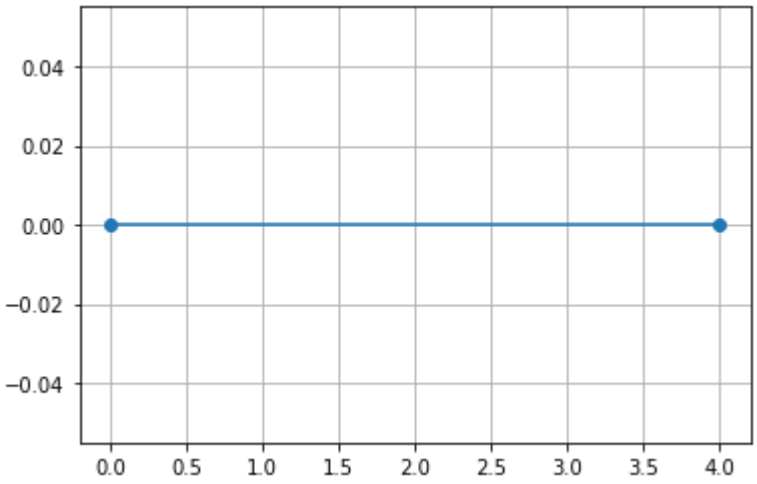
En este notebook aprenderemos a hacer lineas

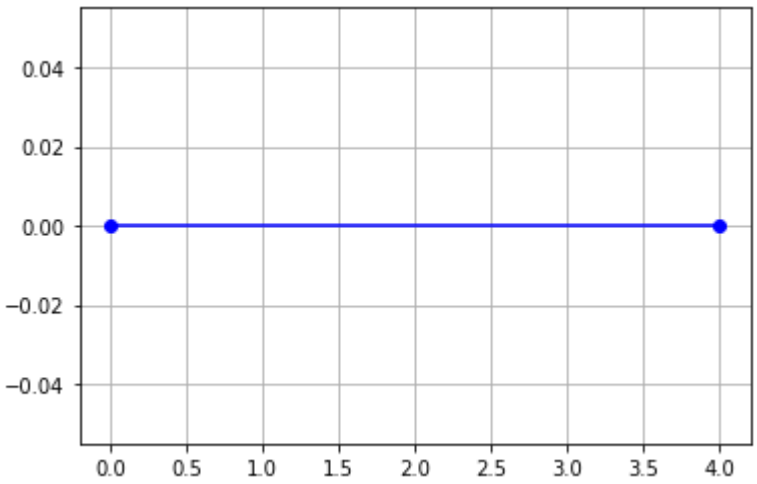
In [20]:
```
import matplotlib.pyplot as plt
plt.plot([0,4], [0,0],'o-')
plt.show()
```



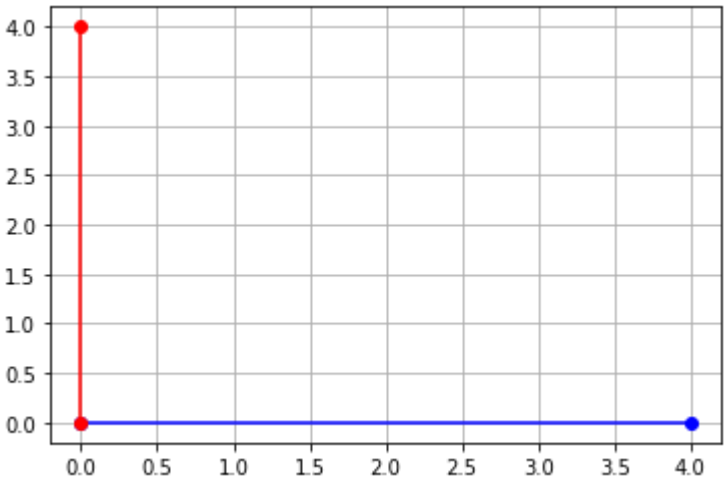
In [21]:
```
plt.plot([0,4], [0,0],'o-')
plt.grid()
plt.show()
```



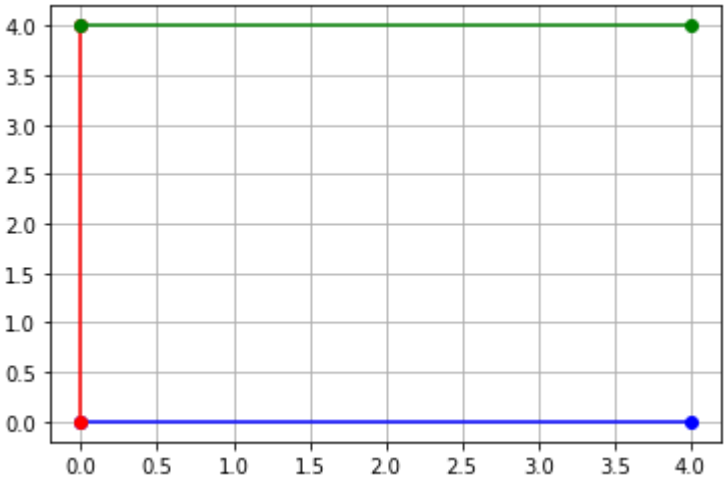
In [22]:
```
plt.plot([0,4], [0,0],'ob-')
plt.grid()
plt.show()
```



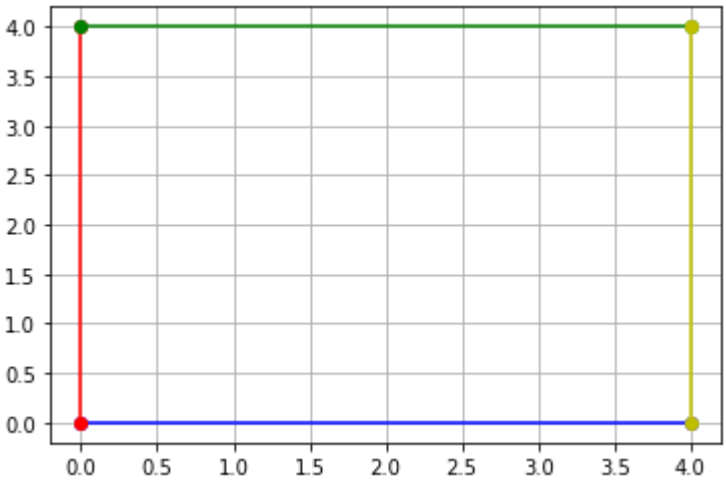
In [24]:
```
plt.plot([0,4], [0,0],'ob-')
plt.plot([0,0], [0,4],'or-')
plt.grid()
plt.show()
```



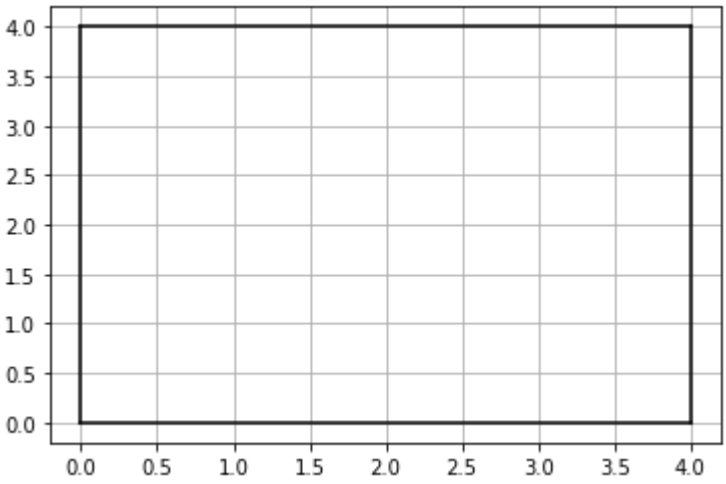
In [25]:
```
plt.plot([0,4], [0,0],'ob-')
plt.plot([0,0], [0,4],'or-')
plt.plot([0,4], [4,4],'og-')
plt.grid()
plt.show()
```



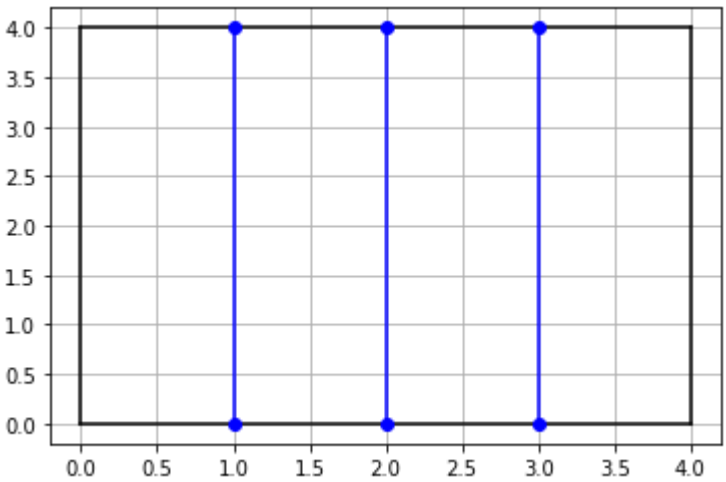
In [32]:
```
plt.plot([0,4], [0,0],'ob-')
plt.plot([0,0], [0,4],'or-')
plt.plot([0,4], [4,4],'og-')
plt.plot([4,4], [4,0],'oy-')
plt.grid()
plt.show()
```



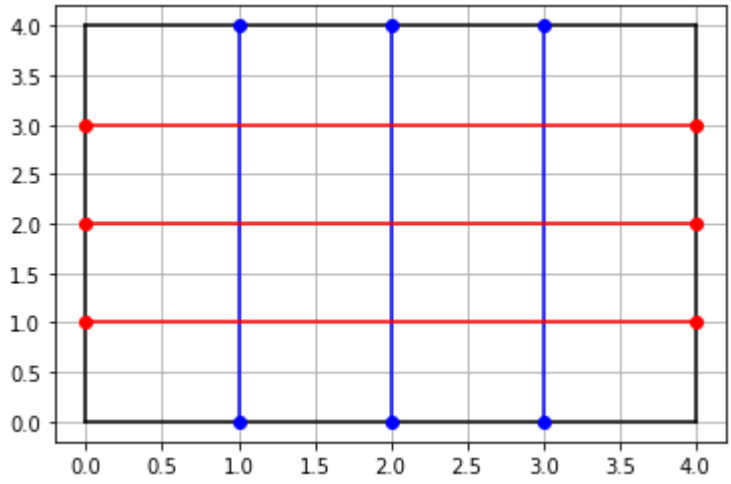
In [35]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.grid()
plt.show()
```



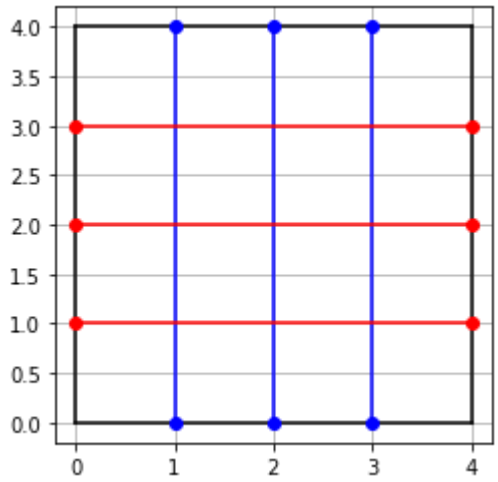
In [38]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'ob-')
plt.plot([2,2], [0,4],'ob-')
plt.plot([3,3], [0,4],'ob-')
plt.grid()
plt.show()
```



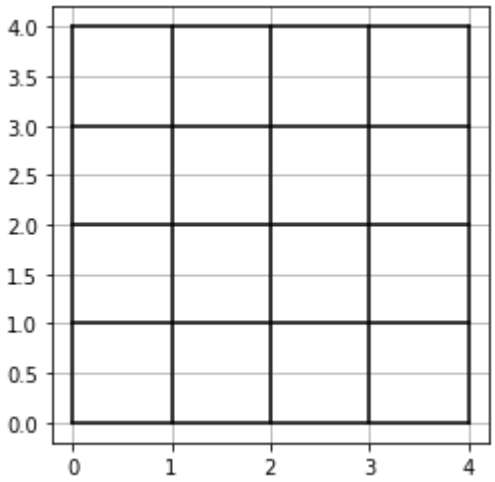
In [40]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'ob-')
plt.plot([2,2], [0,4],'ob-')
plt.plot([3,3], [0,4],'ob-')
plt.plot([0,4], [1,1],'or-')
plt.plot([0,4], [2,2],'or-')
plt.plot([0,4], [3,3],'or-')
plt.grid()
plt.show()
```



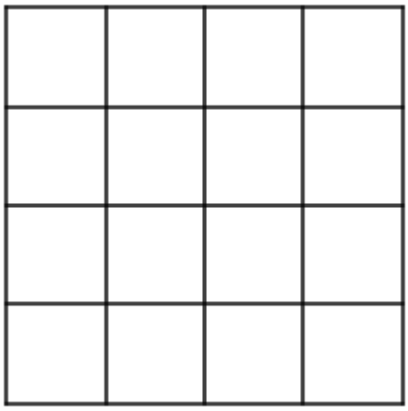
In [43]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'ob-')
plt.plot([2,2], [0,4],'ob-')
plt.plot([3,3], [0,4],'ob-')
plt.plot([0,4], [1,1],'or-')
plt.plot([0,4], [2,2],'or-')
plt.plot([0,4], [3,3],'or-')
plt.axis('square')
plt.grid()
plt.show()
```



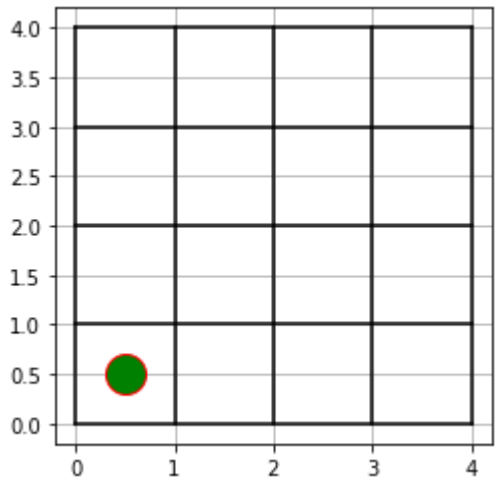
In [44]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.axis('square')
plt.grid()
plt.show()
```



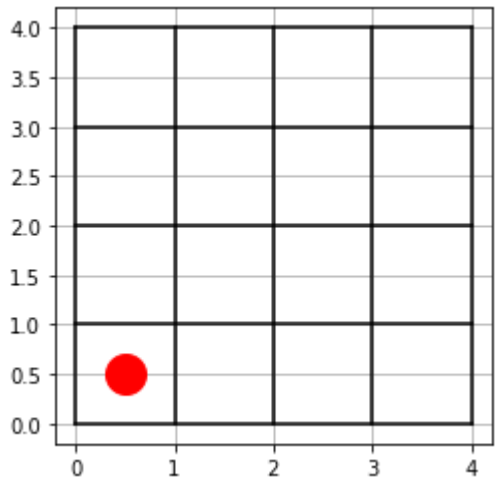
In [45]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.axis('square')
plt.axis('off')
plt.grid()
plt.show()
```



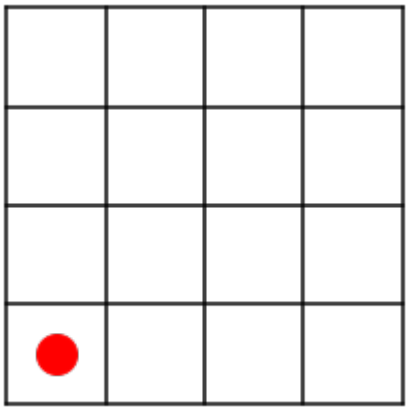
In [49]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.plot(0.5,0.5,marker="o", markersize=20, markeredgecolor="red", m
arkerfacecolor="green")
plt.axis('square')
plt.grid()
plt.show()
```



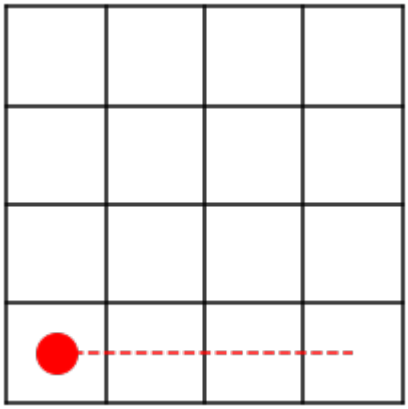
In [53]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.plot(0.5,0.5,marker="o", markersize=20, markeredgecolor="red", m
arkerfacecolor="red")
plt.axis('square')
plt.grid()
plt.show()
```



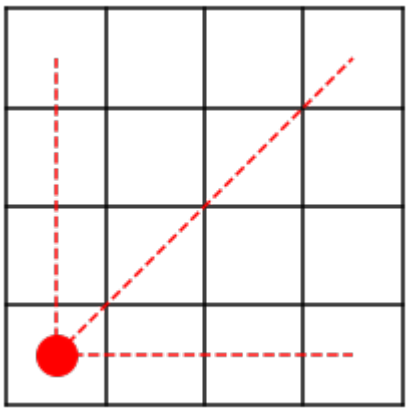
In [54]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.plot(0.5,0.5,marker="o", markersize=20, markeredgecolor="red", m
arkerfacecolor="red")
plt.axis('square')
plt.axis('off')
plt.grid()
plt.show()
```



In [55]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.plot([0.5,3.5], [0.5,0.5],'r--')
plt.plot(0.5,0.5,marker="o", markersize=20, markeredgecolor="red", m
arkerfacecolor="red")
plt.axis('square')
plt.axis('off')
plt.grid()
plt.show()
```



In [56]:
```
plt.plot([0,4], [0,0],'k-')
plt.plot([0,0], [0,4],'k-')
plt.plot([0,4], [4,4],'k-')
plt.plot([4,4], [4,0],'k-')
plt.plot([1,1], [0,4],'k-')
plt.plot([2,2], [0,4],'k-')
plt.plot([3,3], [0,4],'k-')
plt.plot([0,4], [1,1],'k-')
plt.plot([0,4], [2,2],'k-')
plt.plot([0,4], [3,3],'k-')
plt.plot([0.5,3.5], [0.5,0.5],'r--')
plt.plot([0.5,3.5], [0.5,3.5],'r--')
plt.plot([0.5,0.5], [0.5,3.5],'r--')
plt.plot(0.5,0.5,marker="o", markersize=20, markeredgecolor="red", m
arkerfacecolor="red")
plt.axis('square')
plt.axis('off')
plt.grid()
plt.show()
```



In [ ]: