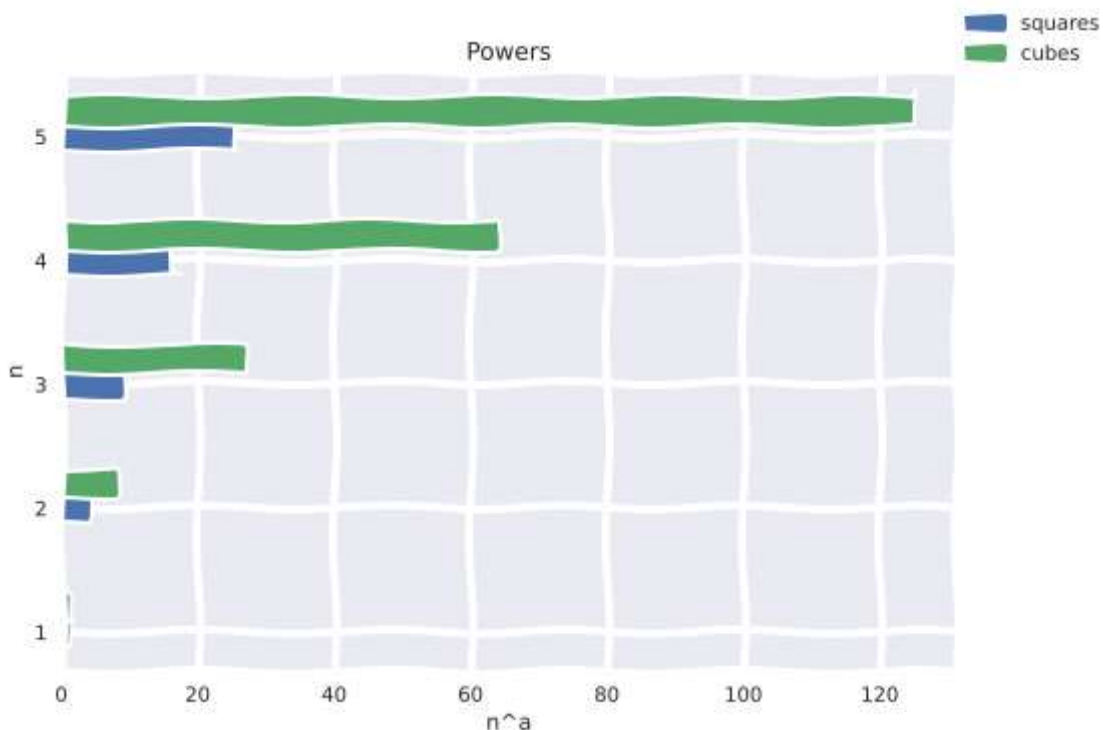# BAR CHARTS

In [5]:

```python
from matplotlib import pyplot as plt
import numpy as np
x = [1, 2, 3, 4,5]
y = []
z = []
for i in x:
    y.append(i**2)
for i in x:
    z.append(i**3)
plt.xkcd()
plt.style.use('seaborn')
x_in = np.arange(len(x))
w = 0.2
#plt.bar(x_in, y, width=w, label='s')
#plt.bar(x_in+w, z, width=w, label='c')
plt.barh(x_in, y, w)
plt.barh(x_in+w, z, w)
plt.title('Powers')
plt.xlabel('n^a')
plt.ylabel('n')
plt.yticks(x_in, x)
plt.legend(['squares', 'cubes'], loc=(1,1))

plt.show()
```
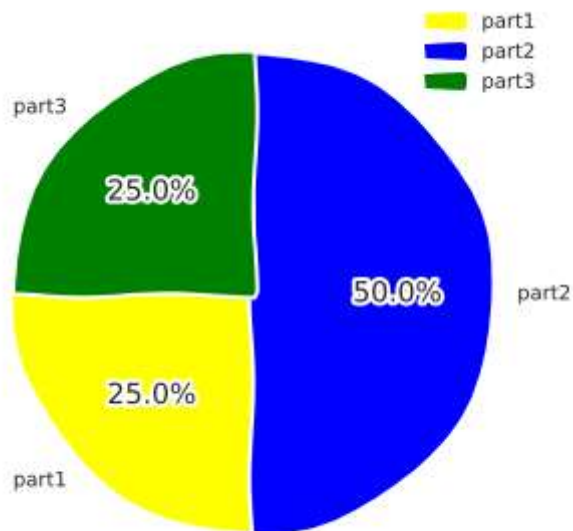
PIE CHARTS

In [13]:

```python
import matplotlib.pyplot as plt

#plt.xkcd()
plt.style.use('seaborn')
slices = [1,2,1]
#e = [0.05,0,0]
labels = ['part1', 'part2', 'part3']
plt.pie(slices, labels=labels, colors=['yellow', 'blue', 'green'], startangle=180, autopct='%1.1f%%')
plt.legend()
plt.grid(True)
plt.show()
```


In [ ]: