

In [1]:

```
import numpy as np

def sigmoid(x):
    return 1/(1 + np.exp(-x))

i = [1.0, 0.5]
w = [[0.9, 0.3], [0.2, 0.8]]

output = sigmoid(np.dot(w, i))

print(output)
```

```
[0.7407749  0.64565631]
```

In []: