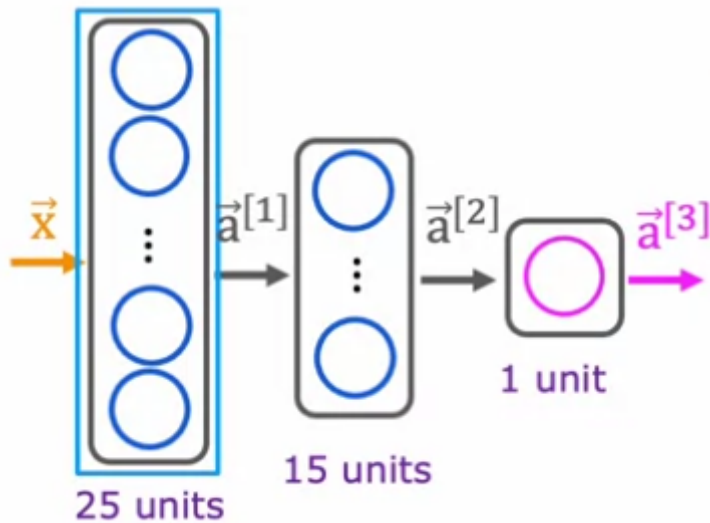# Inference Code Using TensorFlow

Libraries

```
import numpy as np
from tensorflow.keras.layers import Dense
from tensorflow.keras.models import Sequential
```

Code

```
x = np.array([[0.0, 245.0, 240.0, 0.0]])

layer_1 = Dense(units=25, activation='sigmoid')
a1 = layer_1(x)

layer_2 = Dense(units=15, activation='sigmoid')
a2 = layer_2(a_1)

layer_3 = Dense(units=1, activation='sigmoid')
a3 = layer_2(a_2)
```

Prediction

```
if a3 >= 0.5:
yhat = 1
```

```
else:
    yhat = 0
```