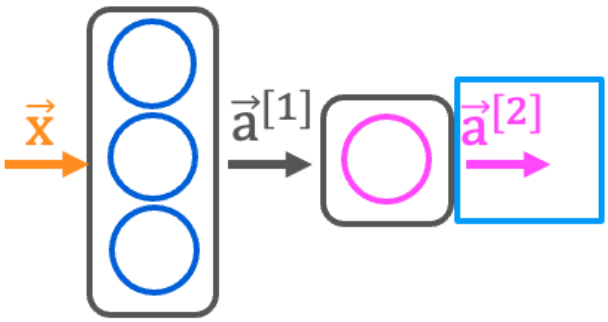
1.For the the following code: 1 point

```
model = Sequential([
 Dense(units=25, activation="sigmoid"),
 Dense(units=15, activation="sigmoid"),
 Dense(units=10, activation="sigmoid"),
 Dense(units=1, activation="sigmoid")])
```

This code will define a neural network with how many layers?

- 3
- 4
- 5
- 25

1 point

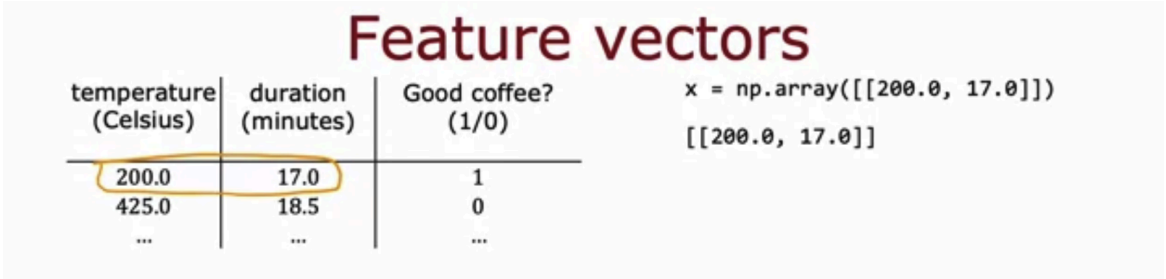



```
x = np.array([[200.0, 17.0]])
layer_1 = Dense(units=3, activation='sigmoid')
a1 = layer_1(x)
```

```
layer_2 = Dense(units=1, activation='sigmoid')
a2 = layer_2(a1)
```

2.How do you define the second layer of a neural network that has 4 neurons and a sigmoid activation?

- Dense(units=4)
- Dense(units=[4], activation=['sigmoid'])
- Dense(units=4, activation='sigmoid')
- Dense(layer=2, units=4, activation = 'sigmoid')



3.If the input features are temperature (in Celsius) and duration (in minutes), how do you write the code for the first feature vector x shown above?

- x = np.array([[200.0 + 17.0]])

- ○ x = np.array([[200.0],[17.0]])
- ○ x = np.array([[‘200.0’, ’17.0’]])
- ◉ x = np.array([[200.0, 17.0]])