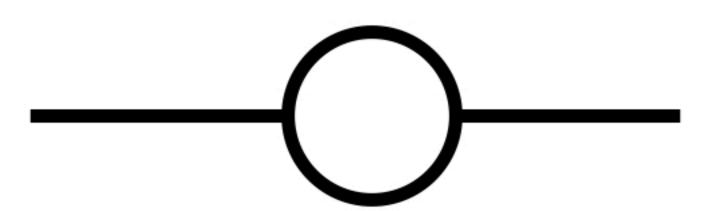
FEED FORWARD

- 1. Calculate the predictions for the hidden layer
- 2. Activate the hidden layer with ReLU
- 3. Calculate the predictions for the output layer
- 4. Activate the output layer with Softmax



COST

Calculate the cost over all the training data.



- 1. Calculate the error derivatives for the output layer
- 2. Calculate the gradient for the weights and biases from hidden to output
- 3. Calculate the error derivatives for the hidden layer
- 4. Calculate the gradient for the weights and biases from input to hidden
- 5. Update the weights and bias