HANDOUT6:

For hidden layer

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neuron z_1: sigmoid(sum(1*0+0.6*2+0.8*1+0*0)) = sigmoid(2) = 0.88 neuron z_2: sigmoid(sum(1*0+0.6*1+0.8*2+0*3)) = sigmoid(2.2) = 0.90 neuron z_1: sigmoid(sum(1*-1+0.6*0+0.8*2+0*1)) = sigmoid(0.6) = 0.64 output layer neuron y_1 = sigmoid(sum(1*-1+0.88*-1+0.9*1+0.64*2)) = sigmoid(0.3) = 0.57 Loss Function = \frac{1}{2} (t-y)^2 for each weight, we will take derivations: dE/dw.
```

You can follow the formula given in the above examples.