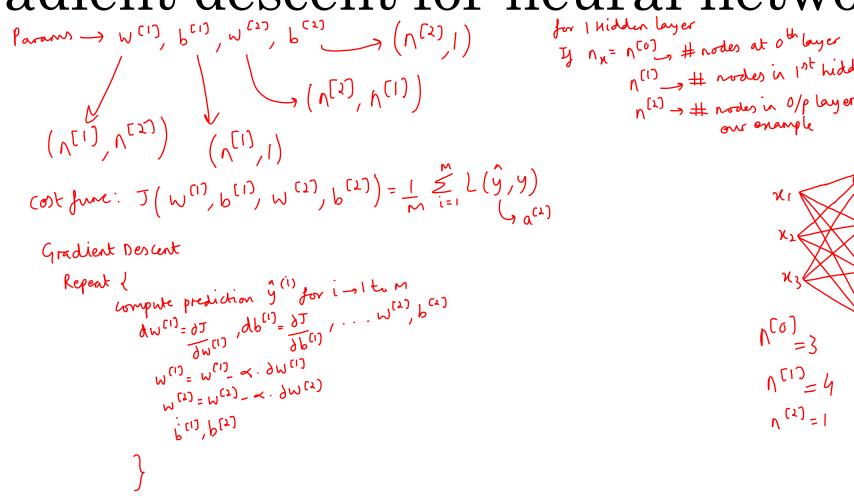


deeplearning.ai

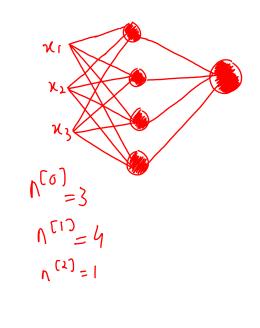
One hidden layer Neural Network

Gradient descent for neural networks

Gradient descent for neural networks



n(1) _ # nodes in 1st hidden layer n(1) -> # nodes in 0/p layer, ie, 1 is



Formulas for computing derivatives

Furth prop:

$$Z^{(1)} = W^{(1)} \times + b^{(1)}$$
 $A^{(1)} = g^{(1)}(z^{(1)})$
 $Z^{(2)} = W^{(2)} \cdot A^{(1)} + b^{(2)}$
 $A^{(2)} = g^{(2)}(z^{(2)})$
 $A^{(2)}$