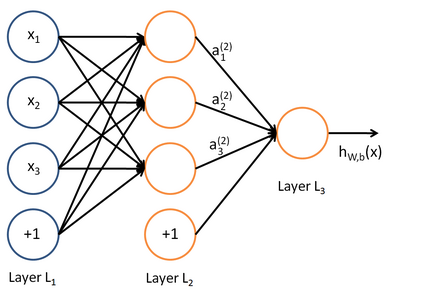
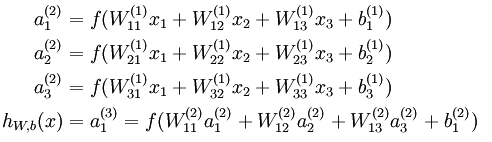
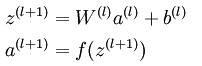
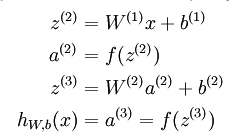
Neural network

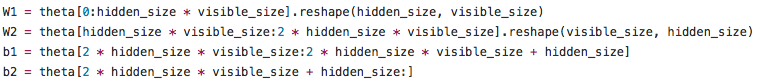


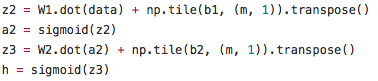


Forward propagation







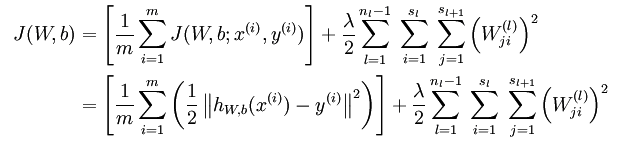


螢幕快照%202017-02-16%20下午5.05.35.png

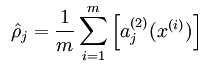
Cost function

螢幕快照%202017-02-16%20下午3.24.03.png

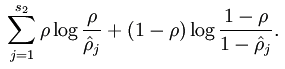
Cost function with regularization



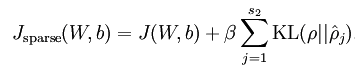
螢幕快照%202017-02-16%20下午4.25.00.png

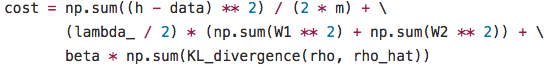
Cost function with sparsity

螢幕快照%202017-02-16%20下午4.23.46.png

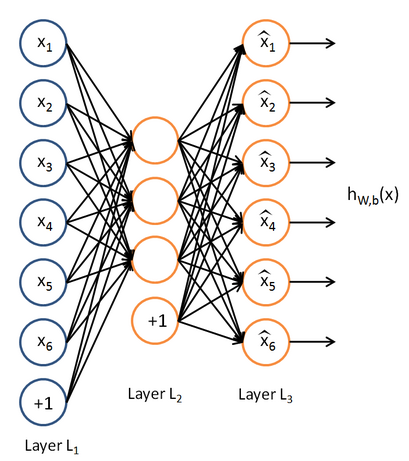


螢幕快照%202017-02-16%20下午4.51.33.png

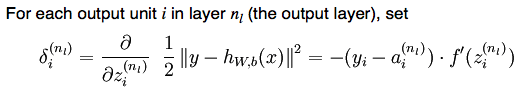




Sparse autoencoder with backpropagation



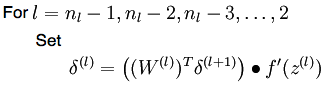
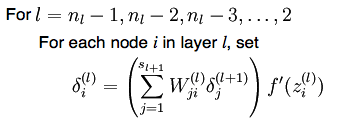
Output layer(layer3)



螢幕快照%202017-02-16%20下午3.28.41.png

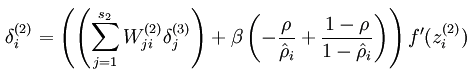
螢幕快照%202017-02-16%20下午4.41.30.png

Hidden layer(layer2)



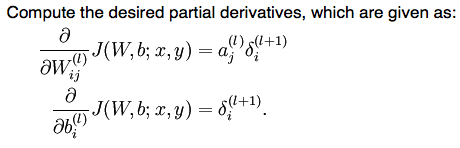
螢幕快照%202017-02-16%20下午4.43.27.png螢幕快照%202017-02-16%20下午4.43.40.png

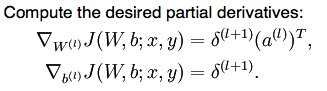
Hidden layer with sparsity



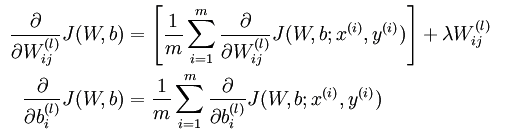
螢幕快照%202017-02-16%20下午4.33.13.png

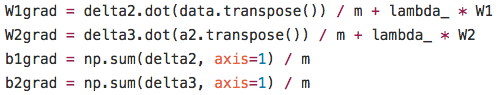
螢幕快照%202017-02-16%20下午4.41.47.png



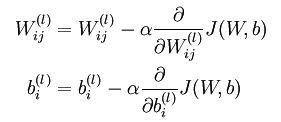


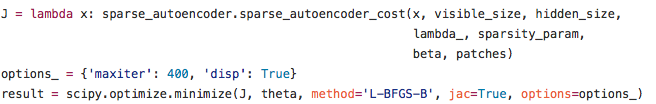
Iteration step





Update weighting





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