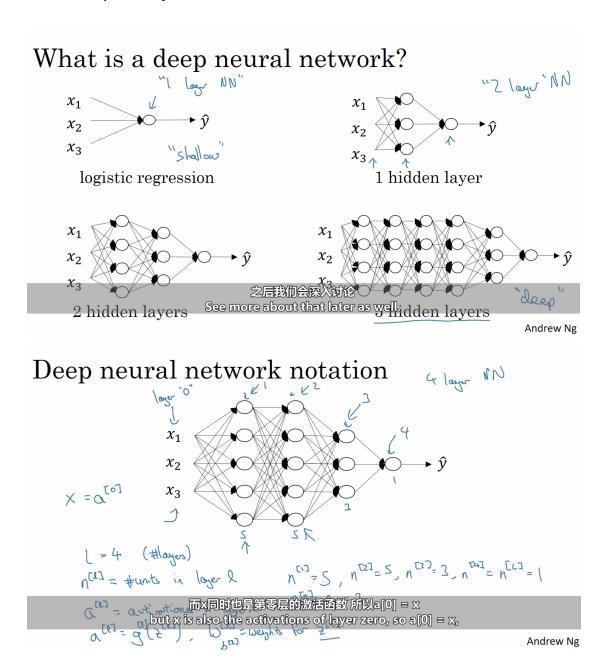
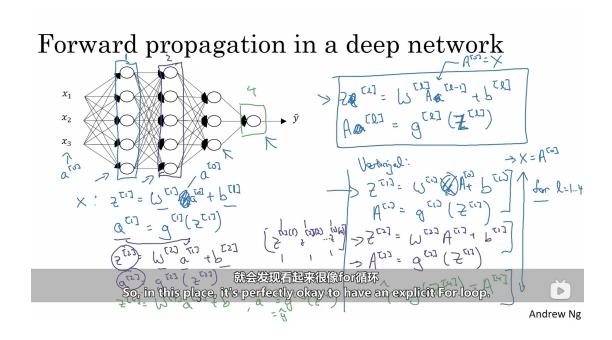
4 Deep Neural Networks

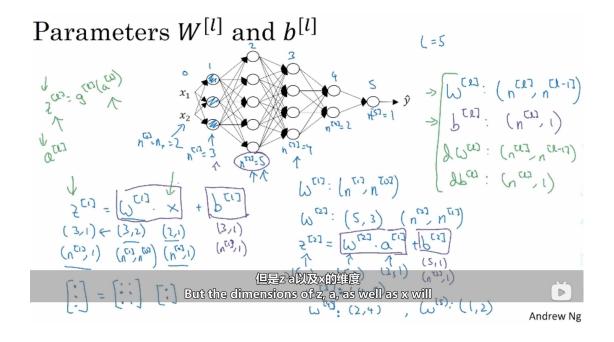
4.1 Deep L-layer Neural Network

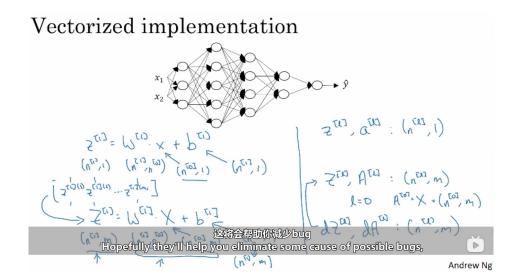


4.2 Forward Propagation in a Deep Network



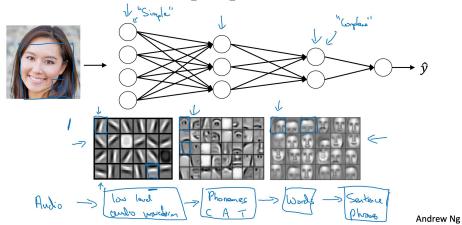
4.3 Getting your matrix dimensions right





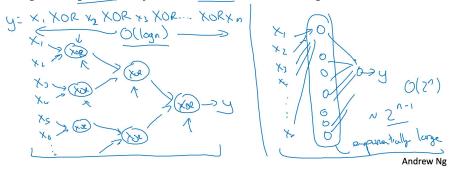
4.4 Why deep representations?

Intuition about deep representation



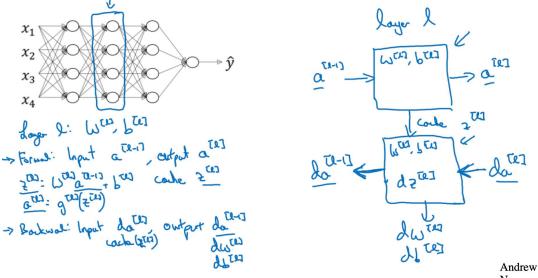
Circuit theory and deep learning

Informally: There are functions you can compute with a "small" L-layer deep neural network that shallower networks require exponentially more hidden units to compute.

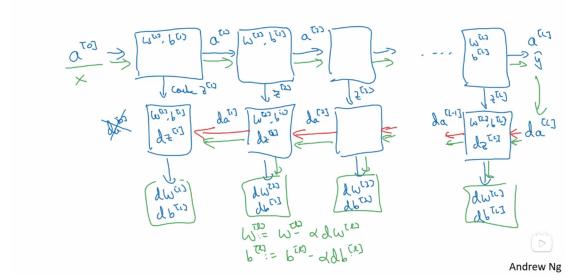


4.5 Building blocks of deep neural networks

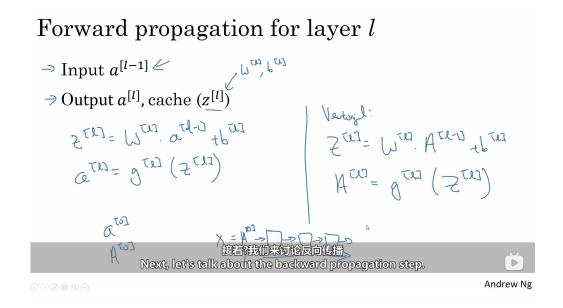
Forward and backward functions



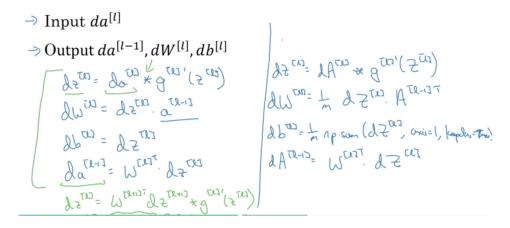
Forward and backward functions

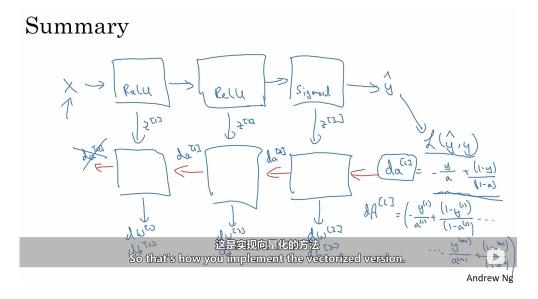


4.6 Forward and backward propagation

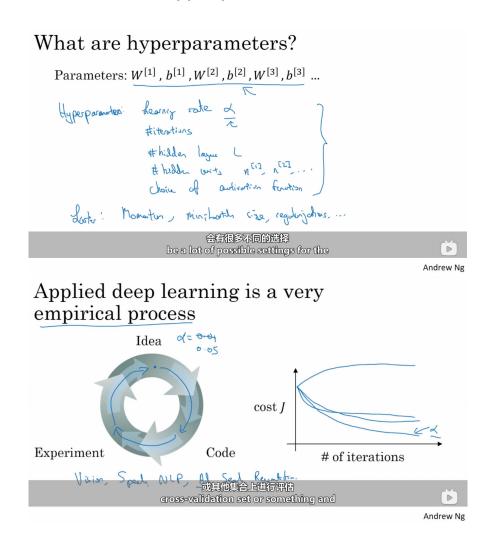


Backward propagation for layer l





4.7 Parameters vs Hyperparameters



4.8 What does this have to do with the brain?

