

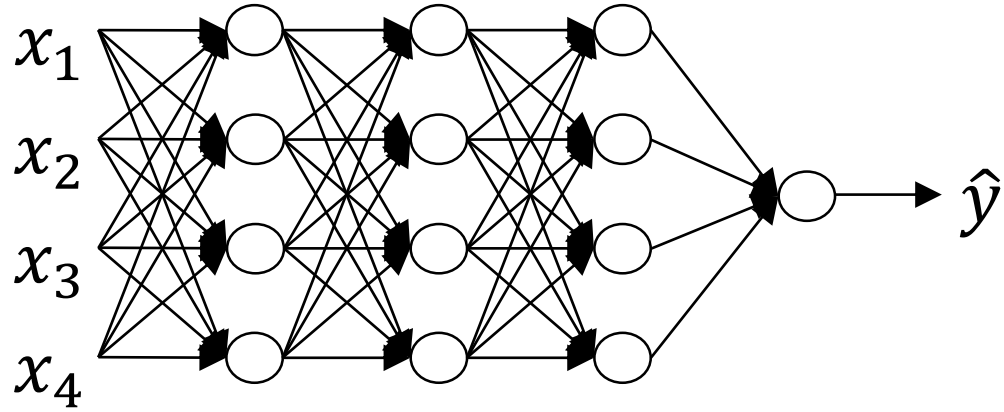


deeplearning.ai

Deep Neural Networks

Building blocks of
deep neural networks

Forward and backward functions



Forward and backward functions



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Deep Neural Networks

Forward and backward
propagation

Forward propagation for layer l

Input $a^{[l-1]}$

Output $a^{[l]}$, cache ($z^{[l]}$)

Backward propagation for layer l

Input $da^{[l]}$

Output $da^{[l-1]}, dW^{[l]}, db^{[l]}$

Summary