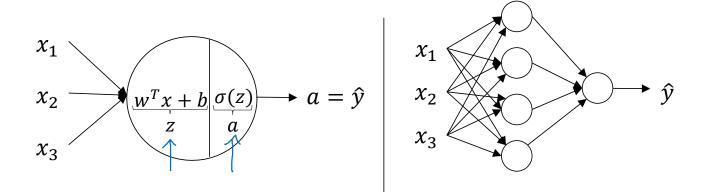


deeplearning.ai

One hidden layer Neural Network

Computing a Neural Network's Output

Neural Network Representation



$$z = w^T x + b$$

 $a = \sigma(z)$

Neural Network Representation

 χ_1

 x_2

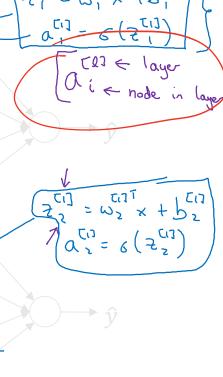
 χ_3

 x_2

$$\begin{array}{c}
x_1 \\
x_2 \\
x_3
\end{array}
\qquad \begin{array}{c}
w^T x + b \\
z
\end{array}
\qquad \begin{array}{c}
\sigma(z) \\
a
\end{array}
\qquad \begin{array}{c}
a = \hat{y}
\end{array}$$

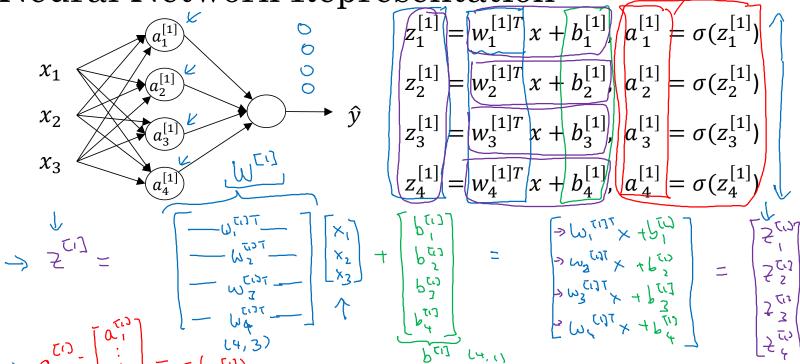
$$a = \sigma(z)$$

 $z = w^T x + b$



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Neural Network Representation



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 $(\omega_i^{(i)})^T \times /Q^{(i)}$

Neural Network Representation learning

