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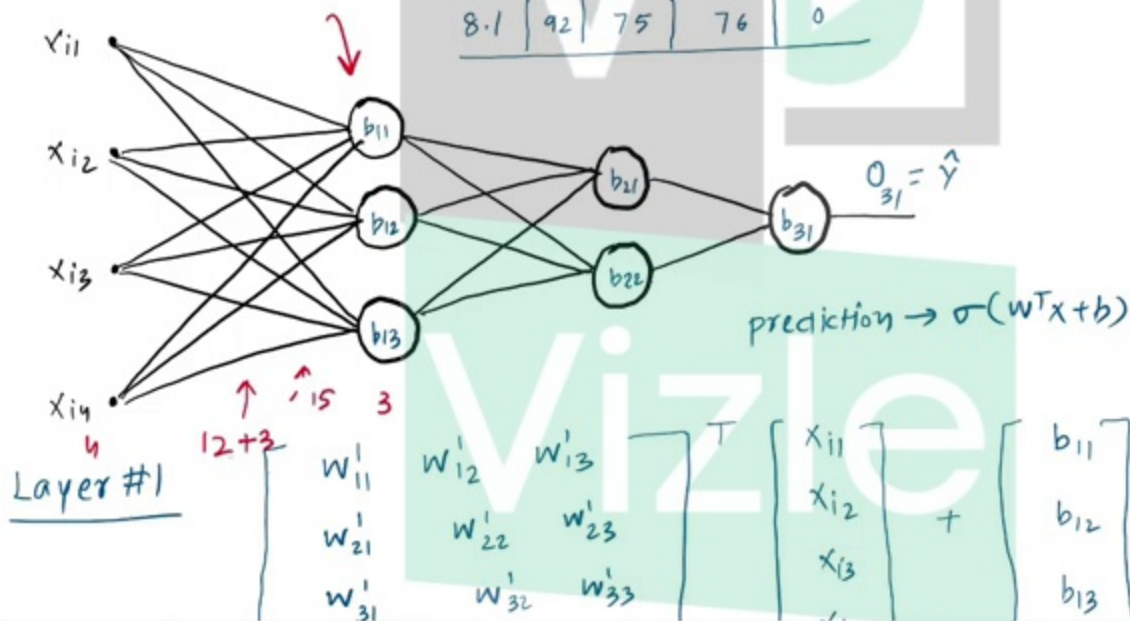


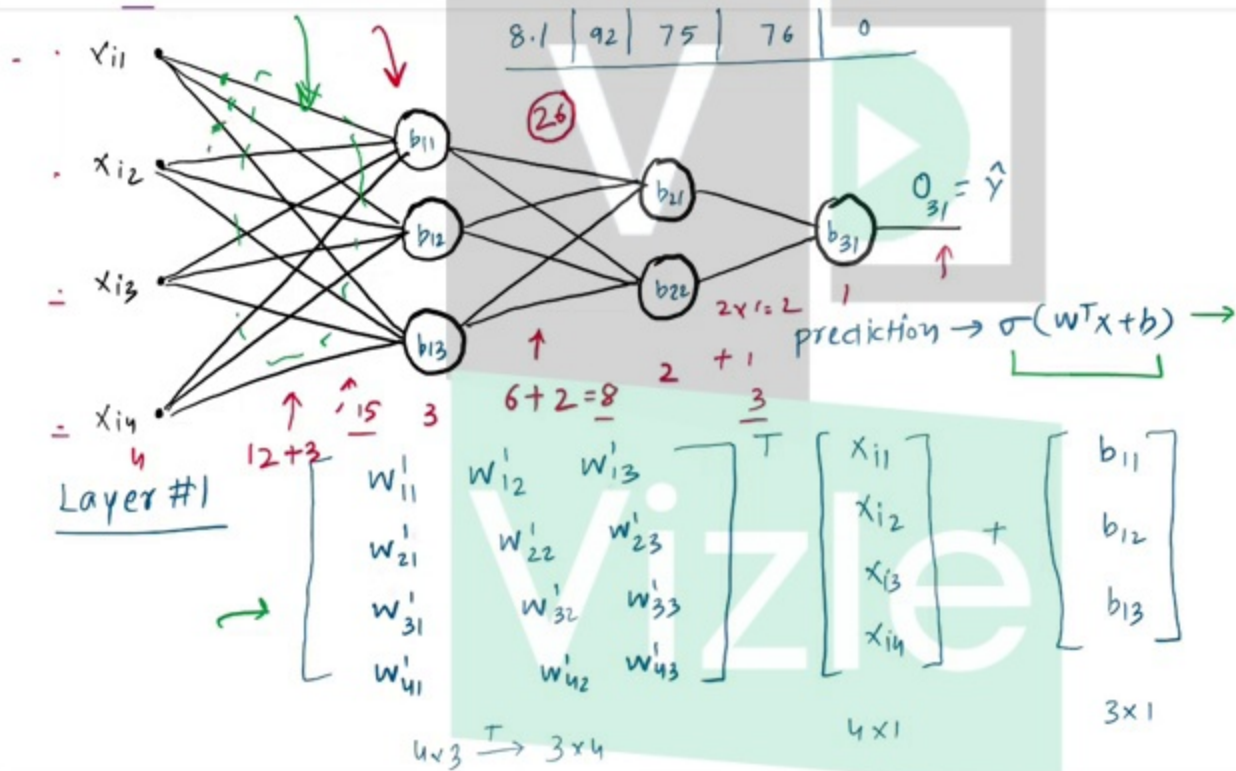


Forward Propogation

03 March 2022 06:07

cgpa	iq	10 th m	12 th m	placed	→ # of trainable parameters
7.2	72	69	81	1	
8.1	92	75	76	0	



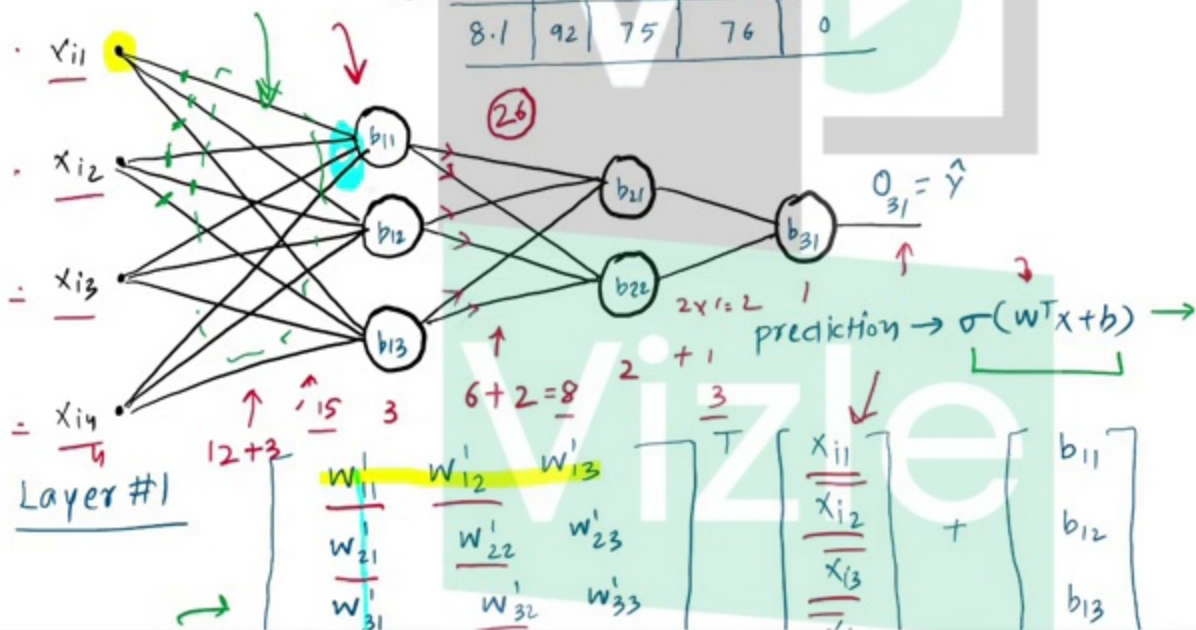




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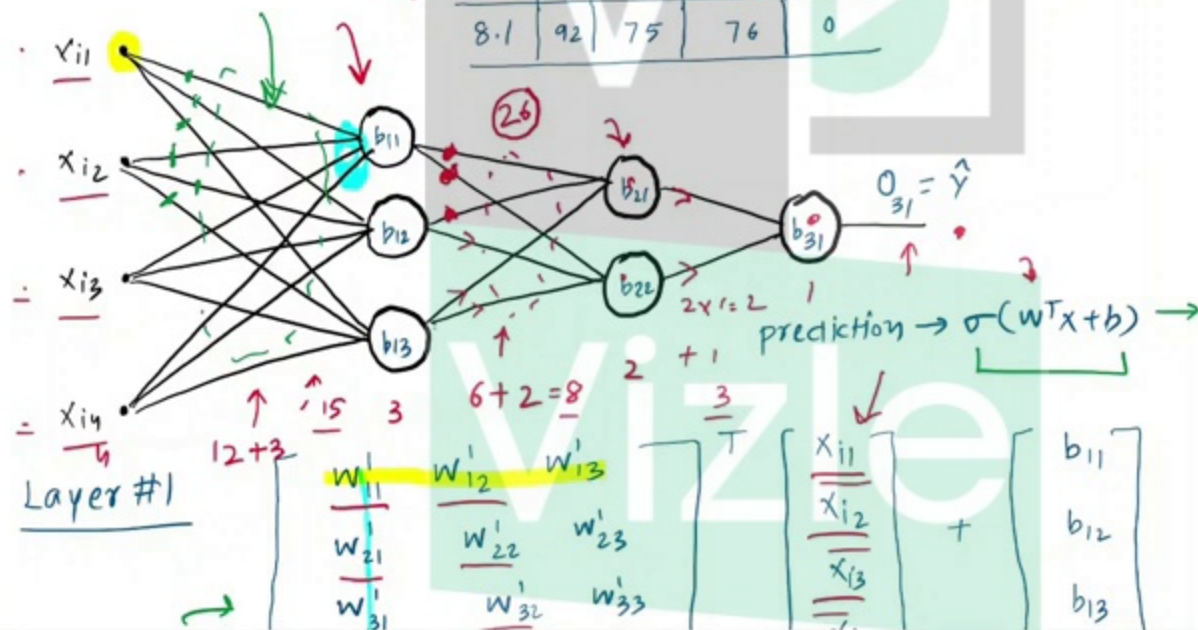




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81	T
76	0

$$a^{[1]} = \sigma(a^{[0]} w^{[1]} + b^{[1]})$$

$$a^{[2]} = \sigma(a^{[1]} w^{[2]} + b^{[2]})$$

$$a_3 = \sigma(a^{[2]} w^{[3]} + b^{[3]})$$

$0_{31} = \hat{y}$
 prediction $\rightarrow \sigma(w^T x + b)$

$$\begin{matrix} \frac{3}{T} \\ \downarrow \\ \begin{bmatrix} x_{i1} \\ x_{i2} \\ x_{i3} \\ x_{i4} \\ 1 \end{bmatrix} \\ \downarrow \\ \dots \end{matrix}$$

$$\begin{bmatrix} b_{11} \\ b_{12} \\ b_{13} \end{bmatrix}$$

3x1

 $\rightarrow 3 \times 1$

$n (\sigma(a^{[0]} w^{[1]} + b^{[1]}))$
 \uparrow
 $a^{[1]}$



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