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$$T_2 = 3 + (2x(-3)) + (3x(-1))$$
 $T_2 = 3 + (-4) + 3$ 
 $T_3 = 3 + (-4) + 3$ 
 $T_4 = 3 + (3x(-4)) + (2x(-3))$ 
 $T_4 = 3 + (-12)$ 
 $T_4 = 3 + (-12)$ 

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APPLICATION OF ACTIVATION FUNCTION

$$Z_5 = \text{Retu}(0,3) = \text{Max}(0,3) = 3$$

$$74 = \text{Relu}(0,3) = \text{Relu}(0,3) = \frac{1}{3}$$
  
 $3 = 3 + (3 \times (-5)) + (3 \times 4) + (3 \times (-3))$ 

$$\hat{y} = 3 + (3 \times (-5))$$

$$\hat{y} = \frac{1}{1 + e^{-(-9)}}$$