PIn $[x_1, x_2, x_3]$

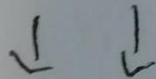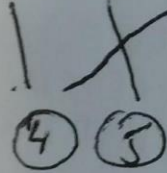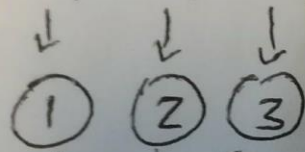POut $[y_1, y_2]$

$$y_1 = \sigma(w_{1,4} \times x_1 + w_{3,4} \times x_3)$$

$$y_2 = \sigma(w_{2,5} \times x_2)$$