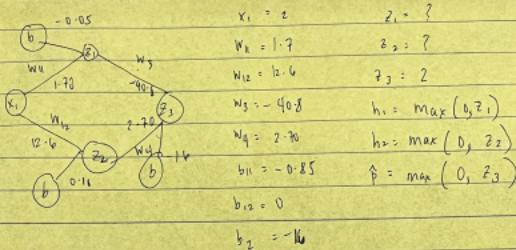


Olympia, Pranchegka 1: WSCS - ML 16M322



$$x_1 = z \quad z_1 = ?$$

$$w_1 = 1.7 \quad z_2 = ?$$

$$w_{12} = 1.2 \quad z_3 = 2$$

$$w_3 = -4.08 \quad h_1 = \max(0, z_1)$$

$$w_4 = 2.70 \quad h_2 = \max(0, z_2)$$

$$b_{11} = -0.85 \quad \hat{b} = \max(0, z_3)$$

$$b_{12} = 0 \quad b_{13} = 0$$

$$b_{23} = -16$$

$$\therefore z_1 = x_1 w_1 + b_{11}$$

$$= 2(1.7) + -0.85$$

$$= 3.4 + -0.85$$

$$\boxed{z_1 = 2.55}$$

$$\therefore z_2 = x_2 w_2 + b_{12}$$

$$= 2(1.2) + 0$$

$$\boxed{z_2 = 2.4}$$

$$\therefore z_3 = z_1 w_3 + z_2 w_4 + b_{13}$$

$$= 2.55(-4.08) + 2.4(2.70) + -16$$

$$= -10.4 - 6.48 + 68.04 + -16$$

$$= -36 + -16$$

$$\boxed{z_3 = -52}$$

$$\therefore h_1 = \max(0, 2.55)$$

$$\boxed{h_1 = 2.55}$$

$$\therefore h_2 = \max(0, 2.4)$$

$$\boxed{h_2 = 2.4}$$

$$\therefore \hat{b} = \max(0, -52)$$

$$\boxed{\hat{b} = 0}$$