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X1 X2
           4
           1
Iteration #1
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Assuming
$$\neq w1 = w2 = b = 0$$

$$= 0 + (0)(1) + (0)(1) = 0$$

Updating weights

$$= 0 + (1)(1)(1) = 1$$

$$W_2(new) = W_2(old) + \alpha t x2$$

$$= 0 + (1)(1)(1) = 1$$

Iteration #2 Yin = b + Wix + W2X2 = 1 + (1)(1) + (1)(-1)= 1 + 1-1 = 1 Vin = 1 => y=1 Target achieved Iteration #3 YIn=b+W1X1+W2X2 = (+(1)(-1)+(1)(1)Vin = 1 = >y=1 Target achieved Iteration # 4 Ym = b + w, x, + w, x2 = 1 + (-1)(1) + (-1)(1)= 1 - 1 - 1 Yin = -1 => y = -1 Target achieved Hence final weights and bias are W1= W2 = 6 = 1