$$\widehat{1} \sum_{256} : \times : \omega :$$

$$x: = \begin{cases} 0 = 0 \\ 4 = 1 \end{cases}$$
 $\omega: = \begin{cases} 0 = -1 \\ 1 = 1 \end{cases}$

$$X_{1}\omega_{1} + X_{2}\omega_{2} = y_{3}y_{2}y_{1}$$

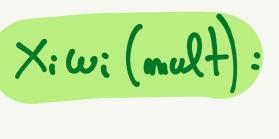
$$Y_{0} = \overline{\omega_{1}}\overline{x_{1}}\overline{\omega_{2}} + \overline{\omega_{1}}\omega_{2}\overline{x_{2}}$$

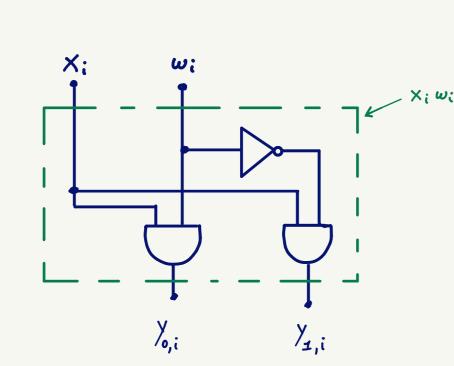
$$Y_{1} = 4 \text{ or}$$

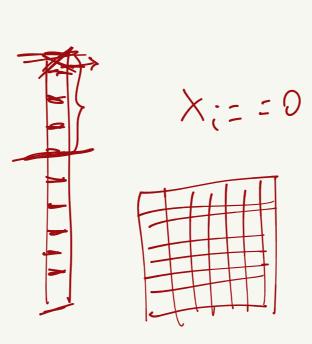
$$Y_{2} = 3 \text{ or}$$

$$x_1 \omega_1 = y_1 y_0$$
 $y_1 = x_1 \overline{\omega_1}$ decrement = $\overline{\omega_1}$ $y_1 y_0 = x_1 \overline{\omega_1}$ increment = $\overline{\omega_1}$
 $y_0 = x_1 \overline{\omega_1}$ increment = $\overline{\omega_1}$
 $\overline{y_0} \overline{y_1} = \text{nothing} = \overline{x_1}$

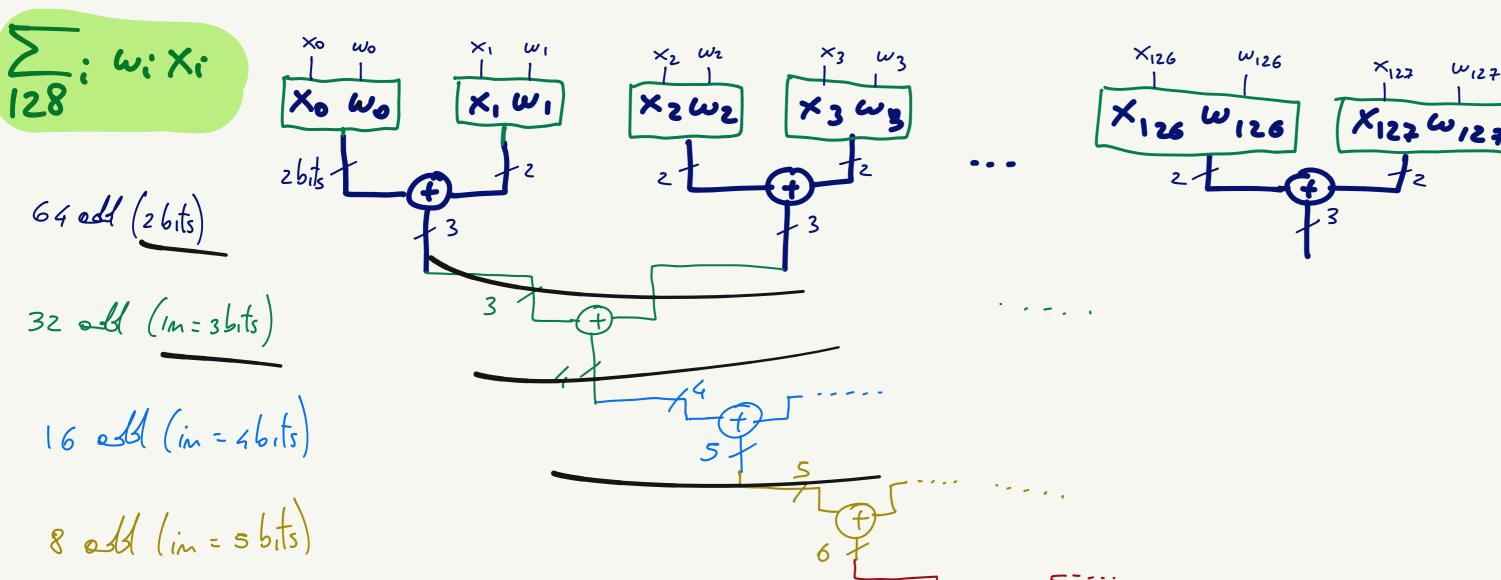
$$x_{1}w_{1} | y_{1} y_{0}$$
 $0 | 0 | 0 | 0$
 $0 | 1 | 0 | 0$
 $1 | 1 | 0 | 0$
 $y_{0} = x_{1}w_{1}$
 $y_{0} = x_{1}w_{1}$

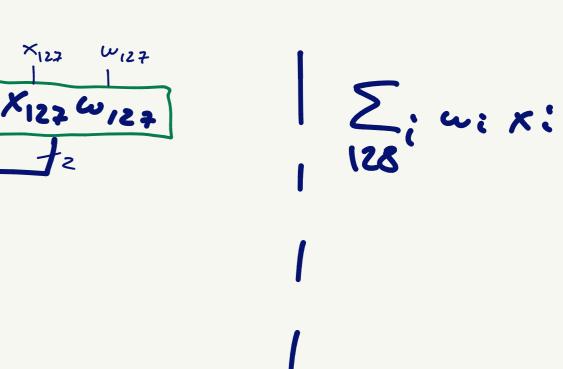






Conjegurable (Kike 70%. -80%.) while beding, check o?





4 add (in = 6 bits)

2 abl (in = 7 bits)

1 all (in = 8 bits)

16 × 16 input = 256 = 32 × 8 scots (if all 0, skip der)

generic for the able tree

(2) Adden noth N bits (2) Configure ble edden tree 2 bits . 6 bits = 8 bits