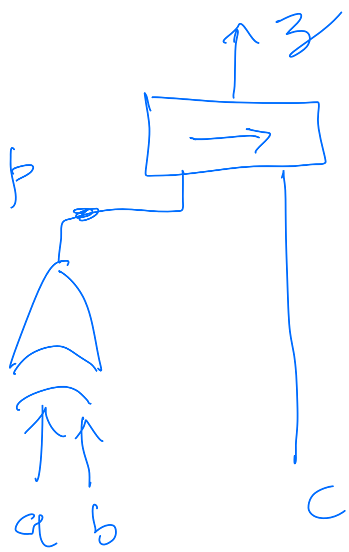
$\bar{z} \cdot (\bar{p} + c)$

$(\bar{p} + c + \bar{z})$




$\boxed{((a \oplus b) \to c)}$

$\oplus$

$\neq$

eql

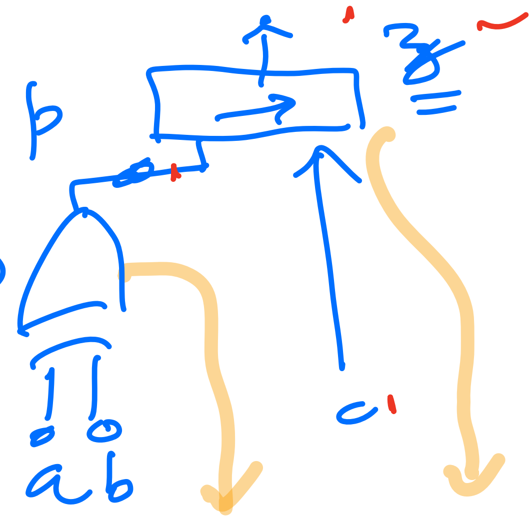
$f_1 \equiv f_2 \quad \wedge \quad \begin{array}{l} f_1 \Rightarrow f_2 \\ f_2 \Rightarrow f_1 \end{array}$

$g_1 \equiv_{equi} g_2$

$g_1$ sat $\Longrightarrow$ $g_2$ sat

$g_2$ sat $\Longrightarrow$ $g_1$ sat

$[(a \oplus b) \to c] \Rightarrow$




$(z) \cdot (\ldots) \cdot (\ldots)$

$(p = a \oplus b)$ ie

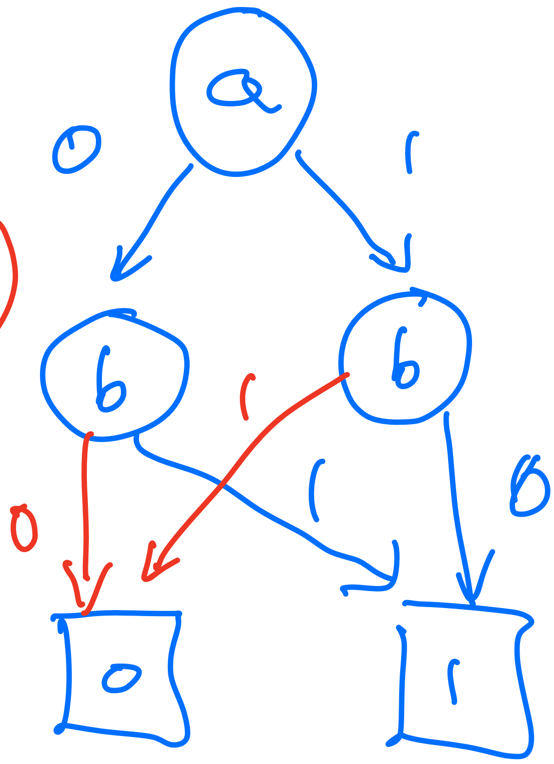
$(p \to a \oplus b)$

$\wedge ((a \oplus b) \to p)$

↪ $\bar{f} + (\bar{a}b + ab)$ CNF

$\overline{(\bar{a}\bar{b} + ab)}$

$= (a+b)\cdot(\bar{a}+\bar{b})$




$\bar{f} + (a+b)\cdot(\bar{a}+\bar{b})$

$= (\bar{f} + a + b)\cdot(\bar{f} + \bar{a} + \bar{b})$

$$(a \oplus b) \to p$$

$$\overline{\phantom{x}}$$

$$(a\bar{b} + \bar{a}b) + p$$

$$(\bar{a} + b) \cdot (a + \bar{b}) + p$$

$$(\bar{a} + b + p) \cdot (a + \bar{b} + p)$$

$$(p \to c) = z$$

$$(p \to c) \to z$$

$$\wedge \quad z \to (p \to c)$$

$(p \blacktriangle \bar{c}) + z$

$(p + z) \cdot (\bar{c} + z)$ ▲

$(\bar{z} + \bar{p} + c)$ ▼

2✓

$$\cdot\ (p + z) \cdot (\bar{c} + z)$$

$$\cdot\ (\bar{z} + \bar{p} + c)$$

$$\cdot\ (\bar{a} + b + p) \cdot (a + \bar{b} + p)$$

$$\cdot\ (\bar{p} + a + b) \cdot (\bar{p} + \bar{a} + \bar{b})$$