4.3. Normalizacion

$p \veebar q$

$\Updownarrow$ 3 (directa)

$\overline{(p \leftrightarrow q)}$

$\Updownarrow$ 2 (directa)

$\overline{(p \rightarrow q) \wedge (q \rightarrow p)}$

$\Updownarrow$ 1

$\overline{(\overline{p} \vee q) \wedge (\overline{q} \vee p)}$

$\Updownarrow$ Morgan $\rightarrow \overline{p \wedge q} = \overline{p} \vee \overline{q}$

$\overline{(\overline{p} \vee q)} \vee \overline{(\overline{q} \vee p)}$

$\Updownarrow$ Morgan $\overline{p \vee q} = \overline{p} \wedge \overline{q}$

$(\cdot \cdot \leftarrow) \vee (q \wedge \overline{p})$

$(p \wedge q) \vee ($ [illegible]