$$1b) \quad Y = A\overline{B} + AB$$

$$2a)$$
 $Y = \dot{A} + \bar{B}$

$$(A+B)$$
 $(A+\overline{B})$

3b)
$$y = A(\overline{B} + B)$$
 Pela Distributividude
 $= A(1)$ Complemento
El. neutre

3c)
$$y = \overline{ABC} + ABC$$
, now é simplificavel.

3d)
$$y = \overline{ABC} + \overline{ABC} + \overline{ABC} + \overline{ABC} + \overline{ABC}$$
Distributive dade

$$= \overline{A}\overline{C}(\overline{B}+B) + A\overline{B}(\overline{C}+C) + ABC$$

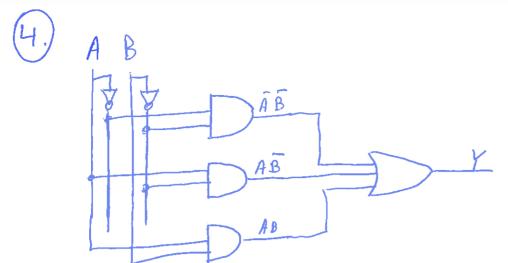
$$= AC(B+B) + AB(E+C) + ABC$$

$$= \overline{AC}.1. + AB(1) + ABC$$
El Newtre

$$= \overline{AC} + AB + ABC$$

$$= \overline{AC} + A(\overline{B} + BC)$$
Simplification

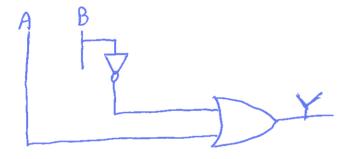
$$= \overline{A}\overline{C} + A(\overline{B} + c)$$

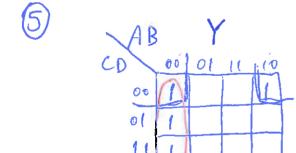


A equação simplificada é:

$$y = \overline{A}\overline{B} + A\overline{B} + AB = \overline{B}(\overline{A} + A) + AB$$
$$= \overline{B} + AB$$

= B + A o circuito simplificado é €

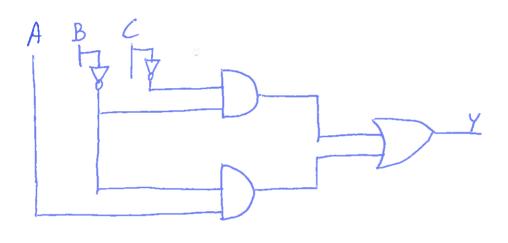




60)
$$Y = AC + \overline{A}\overline{B}C$$
 $Y = (A + \overline{A}\overline{B})C$
 $Y = (A + \overline{B})C$
 $Y = AC + \overline{B}C$
 $Y = AC + \overline{A}C$
 $Y = \overline{A}C + \overline{A}C$
 $Y =$

 $=\overline{A}+\overline{B}+\overline{C}$

$$Y = \overline{A}\overline{B}\overline{C} + A\overline{B}\overline{C} + A\overline{B}C$$



11) A simplificação já foi obtida em 5. Y = ĀB+BD+ACD

