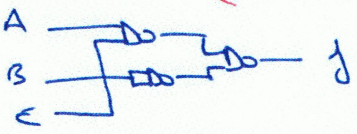
- $\underbrace{A(B+CB)}_{AB} + \underbrace{(B+C)(A+B)}_{B+AC} = AB + B + AC = B + AC = \overline{\overline{B+AC}} =$

$= \overline{\overline{B} \cdot \overline{AC}} = \overline{B\overline{B} \cdot \overline{AC}}$,

(3 NAND's, de 2 entradas)



o)

- $A \cdot (B+CB) + (B+C)(A+B) = \overline{\overline{\quad}} = \overline{\overline{A(B+CB)} \cdot \overline{(B+C)(A+B)}} =$

$= \overline{A\left(\overline{B\overline{B}} \cdot \overline{(\overline{CB}\cdot\overline{CB})(\overline{CB}\cdot\overline{CB})}\right) \cdot \overline{B\overline{B}\cdot C\overline{C}} \cdot \overline{A\overline{A}} \cdot \overline{B\overline{B}}}$ mch NAND's de 2 entr.

o)

- $A(B+CB) + (B+C)(A+B) = \overline{\overline{\quad}} = \overline{A\overline{B} + ABC + \overline{A}\overline{B} + AC + \overline{B\overline{B}} + BC} =$ (B)

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

$= \overline{A\overline{B} \cdot \overline{ABC} \cdot \overline{AC} \cdot \overline{B\overline{B}} \cdot \overline{BC}}$

→ 1 NAND de 5 entr.
→ 1 NAND de 3 entr.
→ 4 NAND's de 2 entr.

De Morgan es extensible a n literales

$\overline{x+y+z} = \overline{(x+y)+z} = \overline{x+y} \cdot \overline{z} = \overline{x} \cdot \overline{y} \cdot \overline{z}$ y viceversa,