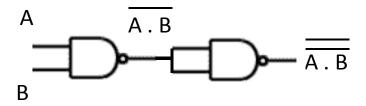


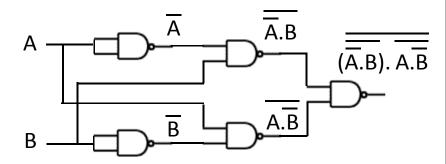
Construir un AND con NAND



$$F = A \cdot B = \overline{A \cdot B}$$

4

Construir un XOR con NAND



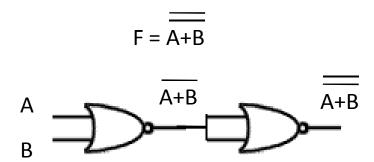
$$F = A \oplus B = \overline{A}.B + A.\overline{B} = (\overline{A}.B) + (A.\overline{B}) = \overline{(\overline{A}.B)}. (\overline{A}.\overline{B})$$

Construir un NOT con NOR



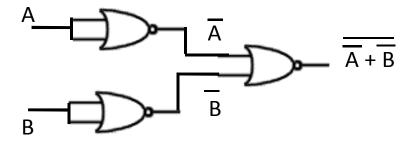
6

Construir un OR con NOR



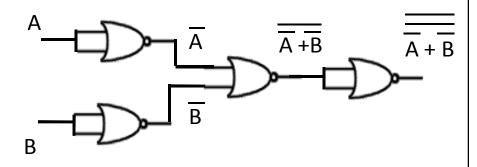
7

Construir un AND con NOR



8

Construir un NAND con NOR



9

Construir un XOR con NOR

$$F = A \oplus B = \overline{A}.B + A.\overline{B} = (\overline{\overline{A}.B}) + (\overline{A.\overline{B}}) =$$

$$\underline{\underline{=}}$$
 $\underline{\underline{=}}$ $\underline{\underline{-}}$ $\underline{\underline{-}$ $\underline{-}$ $\underline{-}$

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

