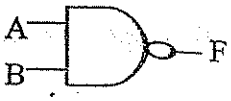
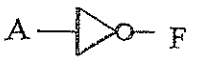
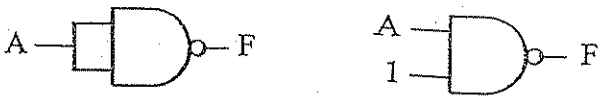
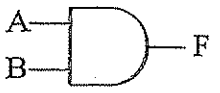
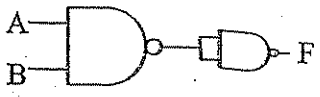
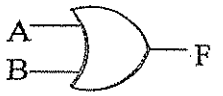
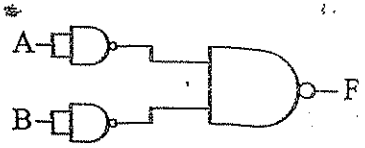
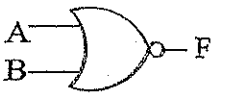
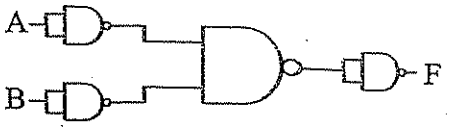
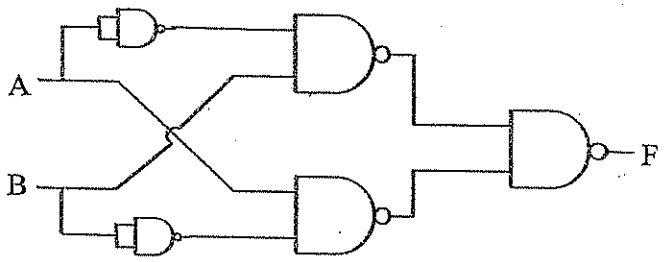
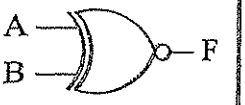
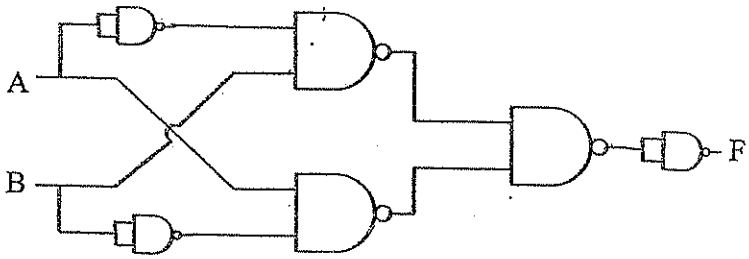
| | SIMBOLO | FUNCION | Circuito Equivalente con puertas NAND |
|---|---|---|---|
| NAND | | $F = \overline{A.B} = \overline{A} + \overline{B}$ | A B \| F<br>0 0 \| 1<br>0 1 \| 1<br>1 0 \| 1<br>1 1 \| 0<br>  |
| NOT |  | $F=\overline{A.A}=\overline{A}$ |  |
| AND |  | $F= A.B = \overline{\overline{A.B}}$ |  |
| OR |  | $F= A+B = \overline{\overline{A+B}} = \overline{\overline{A}.\overline{B}}$ |  |
| NOR |  | $F= \overline{A+B} = \overline{\overline{A+B}} = \overline{\overline{A}.\overline{B}}$ |  |
| XOR | <br>OR EXCLUSIVA |  <br>$F= A \oplus B = \overline{A}.B+A.\overline{B} = \overline{\overline{A}.B+A.\overline{B}} = \overline{(\overline{A}.B).(A.\overline{B})}$ | |
| NXOR |  <br>NOR EXCLUSIVA |  <br>$F= \overline{A \oplus B} = \overline{\overline{A}.B+A.\overline{B}} = \overline{\overline{\overline{A}.B+A.\overline{B}}} = \overline{(\overline{A}.B).(A.\overline{B})}$ | |