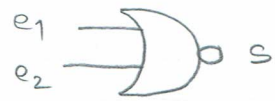
Porte universelle NOR.

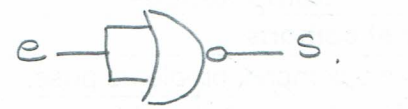


e_1	e_2	s
0	0	1
0	1	0
1	0	0
1	1	0

$$s = \overline{a+b}$$

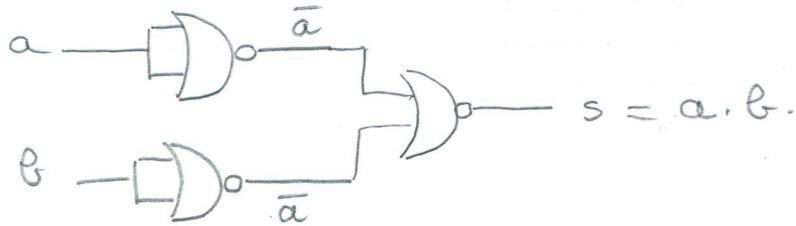
a) Porte NOT avec des portes NOR.

$$s = \bar{e} = \bar{e}.\bar{e} = \overline{e+e}$$



b) Porte AND avec des portes NOR.

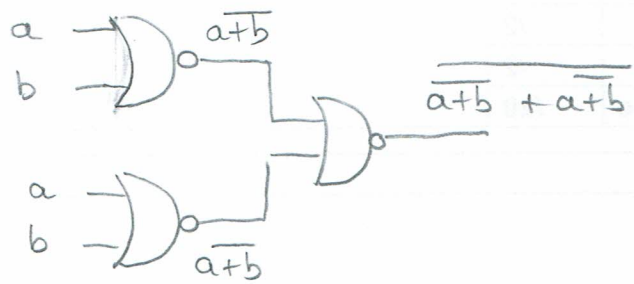
$$s = a.b = \overline{\overline{a.b}} = \overline{\underbrace{\bar{a}}_{\text{NOT}} + \underbrace{\bar{b}}_{\text{NOT}}}$$



c) Porte OR avec des portes NOR.

$$s = \overline{\overline{a+b}} = \overline{\overline{a+b} + \overline{a+b}}$$

car $e = e + e$



ou $s = a+b = \overline{\underbrace{a+b}_{\text{NOR}}}$ ← NOT.

