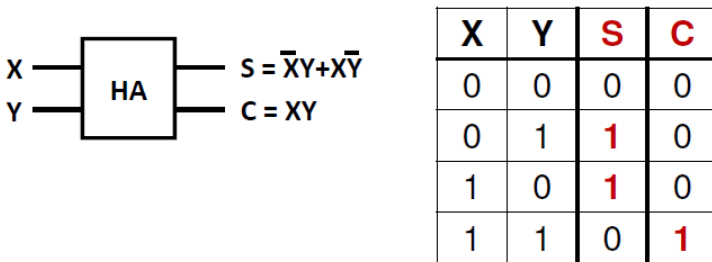
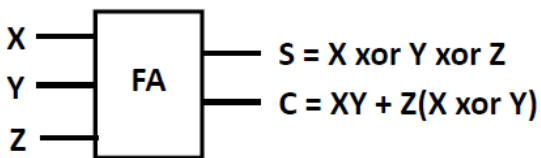


Composants logiques

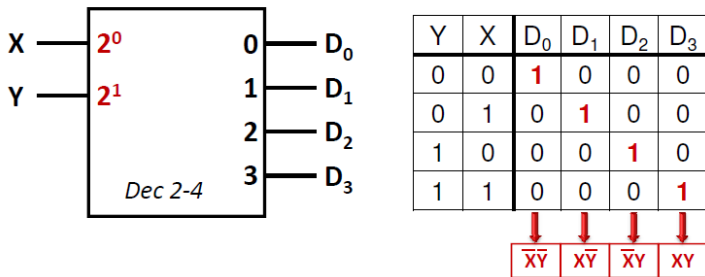
Half adder = additionneur 2 bits



Full adder = additionneur 3 bits

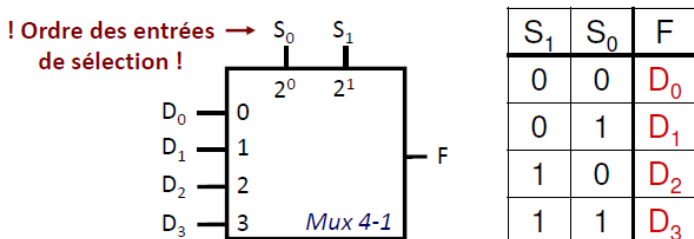


Décodeur = générateur de minterms



Multiplexeur = sélectionneur d'entrées

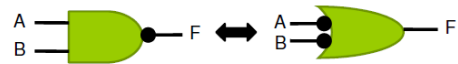
2^n entrées, n sélections \rightarrow 1 sortie



$$F = \bar{S}_1 \bar{S}_0 D_0 + \bar{S}_1 S_0 D_1 + S_1 \bar{S}_0 D_2 + S_1 S_0 D_3$$

Portes universelles : NAND et NOR

■ NAND : $F = \overline{A \cdot B} = \overline{A} + \overline{B}$



F = SOMME DE PRODUITS

■ NOR : $F = \overline{A + B} = \overline{A} \cdot \overline{B}$



F = PRODUIT DE SOMMES

Karnaugh

5 variables

