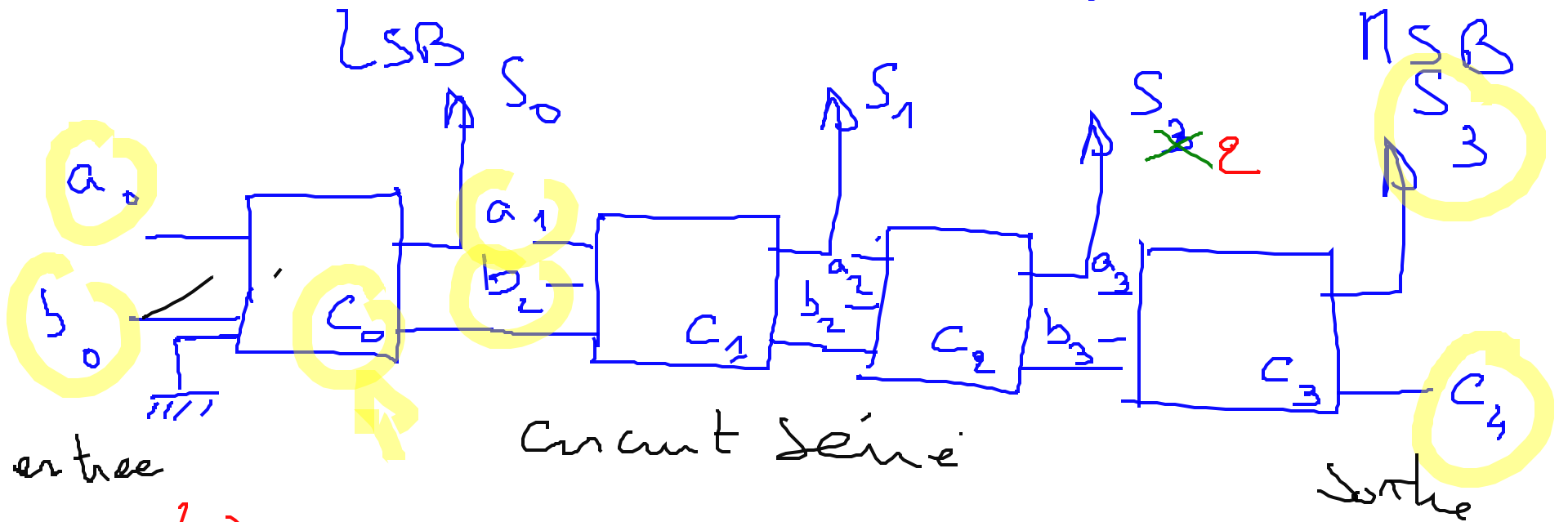


### 3) Additionner 2 bits



### 4) 74LS283

$$S_1 = \left( \overline{a_1 + b_1} \cdot (b_1 + a_1) \right) \oplus C_0$$

car

$$\overline{a_1 \cdot b_1} = \overline{a_1} + \overline{b_1}$$

et

$$\overline{a_1 + b_1} = \overline{a_1} \cdot \overline{b_1}$$

$$S_1 = a_1 \oplus b_1 \oplus C_0$$