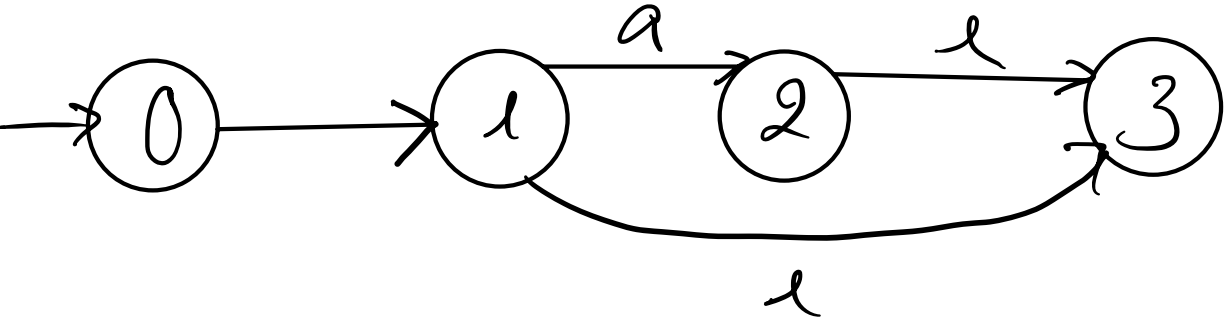
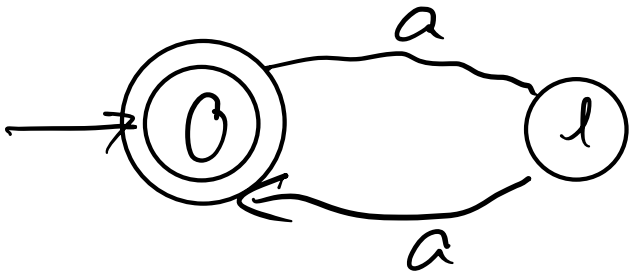
TD2

Ex4:

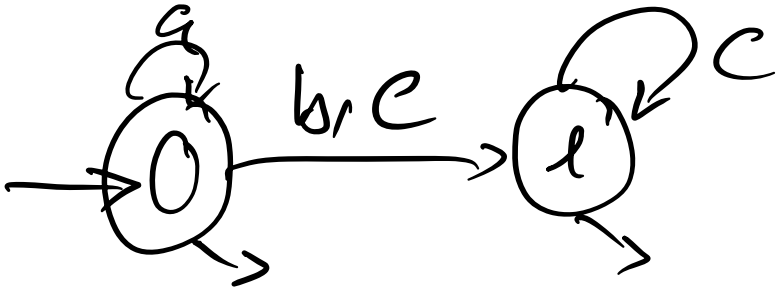
1) Pour $L = \{car, bar, or\}$



2) $L = \{w \in \{a\}^* ; |w|_a \equiv 0 \ [2]\}$

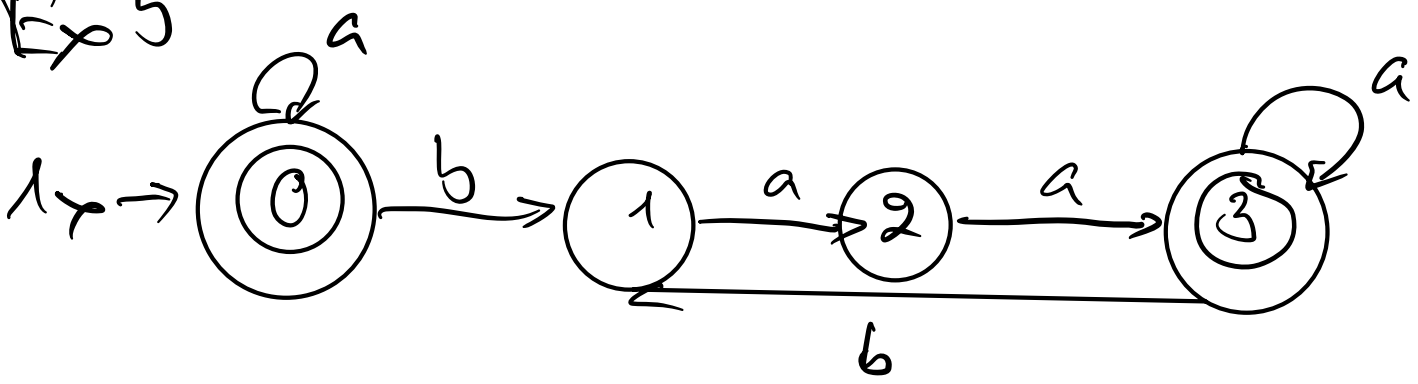


3) $L = (a^*(b+\varepsilon)c^*)$

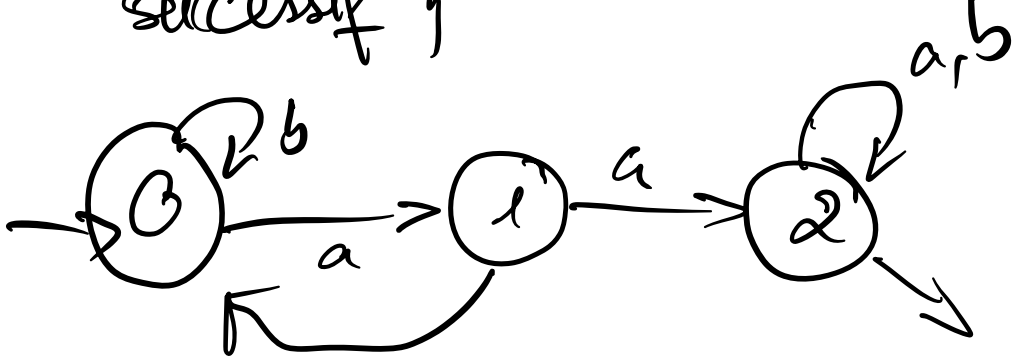


$(a^*(\varepsilon+b))c^* = (a^* + a^*b)c^* = a^*c^* + a^*bc^*$

Ex 5

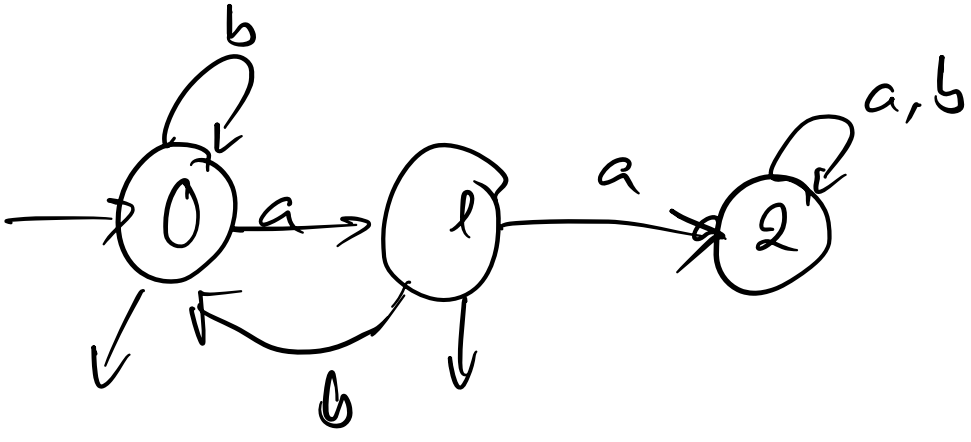


2) $\mathcal{L}'_2 = \{u \in \{a,b\}^* \mid u$ contient deux a successif $\}$



$\overline{\mathcal{L}} = \Sigma^* \setminus \mathcal{L}$ tout les alphabets de sigma privés de $\mathcal{L}$

$\forall w \in \Sigma^* \quad u \in \overline{\mathcal{L}} \Leftrightarrow w \notin \mathcal{L}$



Algorithme pour complementer un automate A

1. Compléter A
2. Inverser les états acceptants et non-acceptants dans A