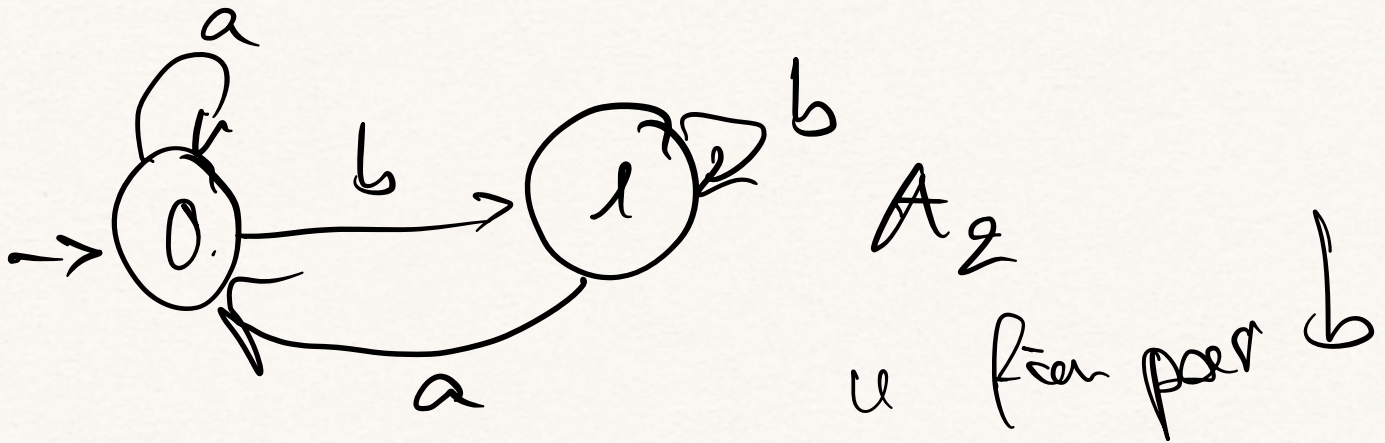
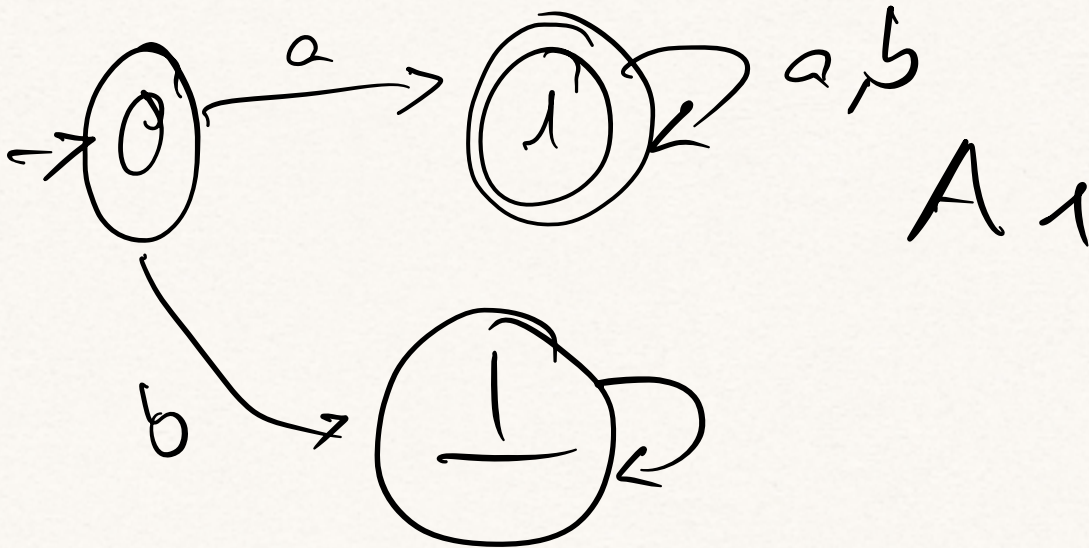
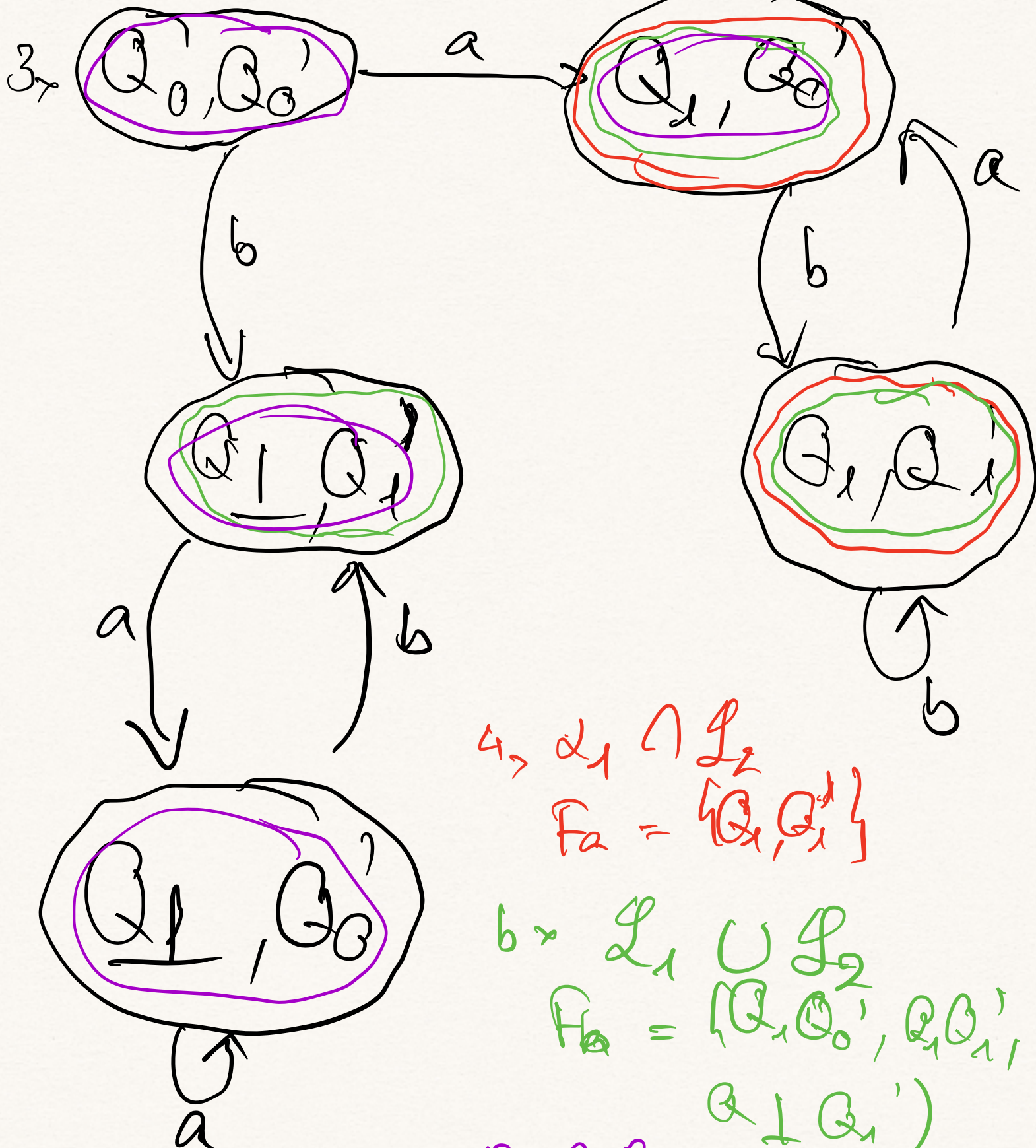


Ex 4

1. $A_1 = L_1 \{ u \in \{a, b\}^* \mid u \text{ commence par un } a \}$





$$4, \mathcal{L}_1 \cap \mathcal{L}_2$$

$$F_a = \{Q_1, Q_1'\}$$

$$b, \mathcal{L}_1 \cup \mathcal{L}_2$$

$$F_b = \{Q_1, Q_0', Q_1, Q_1', Q_1, Q_0\}$$

$$c, \mathcal{L}_1 \cap \mathcal{L}_2$$

$$F_c = \{Q_0, Q_0', Q_1, Q_0', Q_1, Q_0, Q_1, Q_1\}$$

