

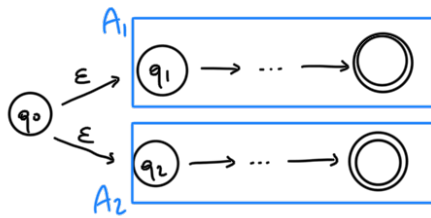
Costruzione modulare di Automi

- se L_1 e L_2 regolari allora $L_1 \cup L_2$ regolare

$$L_1 = L(A_1)$$

$$L_2 = L(A_2)$$

$$A = (Q_1 \cup Q_2 \cup \{q_0\}, \Sigma, \delta, q_0, F_1 \cup F_2)$$



$$\delta(q, \alpha) = \begin{cases} \{q_1, q_2\} & \text{se } q = q_0 \text{ e } \alpha = \epsilon \\ \delta_1(q, \alpha) & \text{se } q \in Q_1 \\ \delta_2(q, \alpha) & \text{se } q \in Q_2 \\ \emptyset & \text{altrimenti} \end{cases}$$