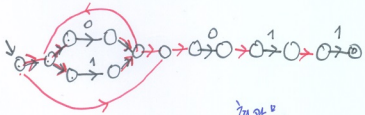
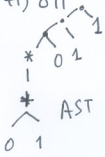
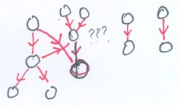


Σ -NFA to DFA



이전호 주장 ϵ -move 를 합치자! $\xrightarrow[\text{기반}]{\text{계와함}} \text{어떻게 합치나?}$



- ① 실 move ($a \in \Sigma$)와 ϵ -move 는 어떻게 하나?
- ② $X = a_1 a_2 \dots a_n \quad 1 \leq i \leq n: a_i \in \Sigma$

교과서 Lemma 3.14

$$\text{empty-trans} \subseteq Q \times Q \quad \epsilon^*: Q \rightarrow 2^Q$$

$$\text{emptr-trans}^* \subseteq Q \times Q \quad \epsilon^*: 2^Q \rightarrow 2^Q$$

$$\epsilon^*(\delta(\dots(\epsilon^*(\delta(\epsilon^*(\delta(\epsilon^*(q_s), a_1)), a_2)), \dots), a_n))$$

$\epsilon^*: n+1$ 번
 $\delta: n$ 번

$$\delta^*(q'_s, a_1) \subseteq Q \in 2^Q$$

$$\delta^*(q'_s, a_1, a_2) \subseteq Q \in 2^Q$$

$$\delta^*(q'_s, \underbrace{a_1 a_2 \dots a_n}_x) \subseteq Q \in 2^Q$$