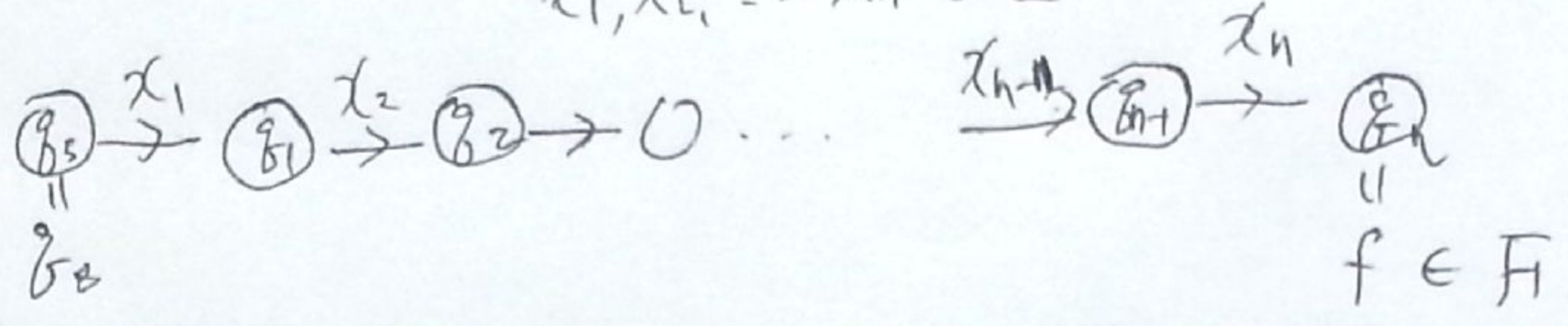


제 17 장 F.A # regular grammar

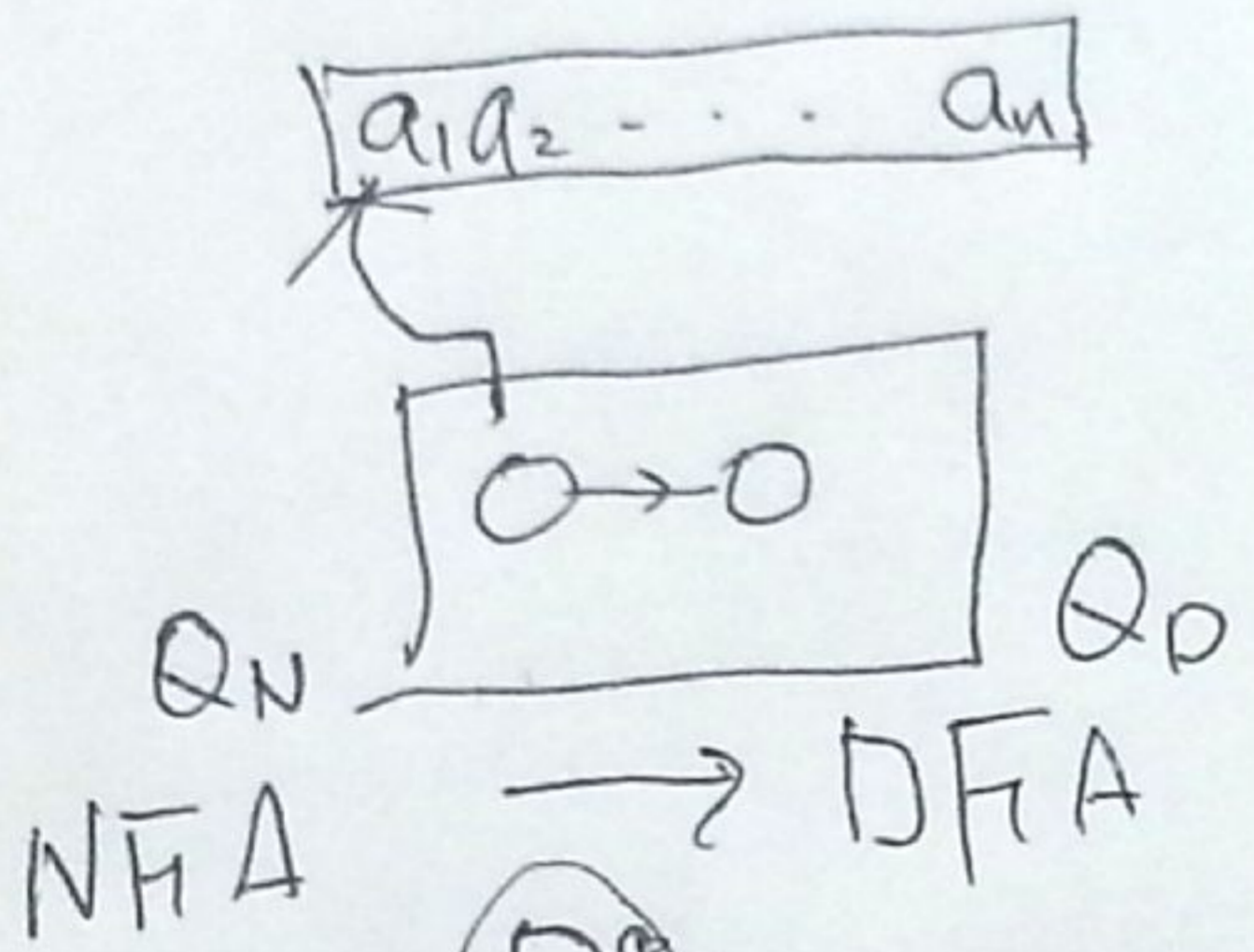
$a \in \Sigma \cup \{\epsilon\}$

$(P) \xrightarrow{x} (Q) \quad p x \rightarrow q \in P \text{ vs. } \{q \in \delta(p, a)\}$

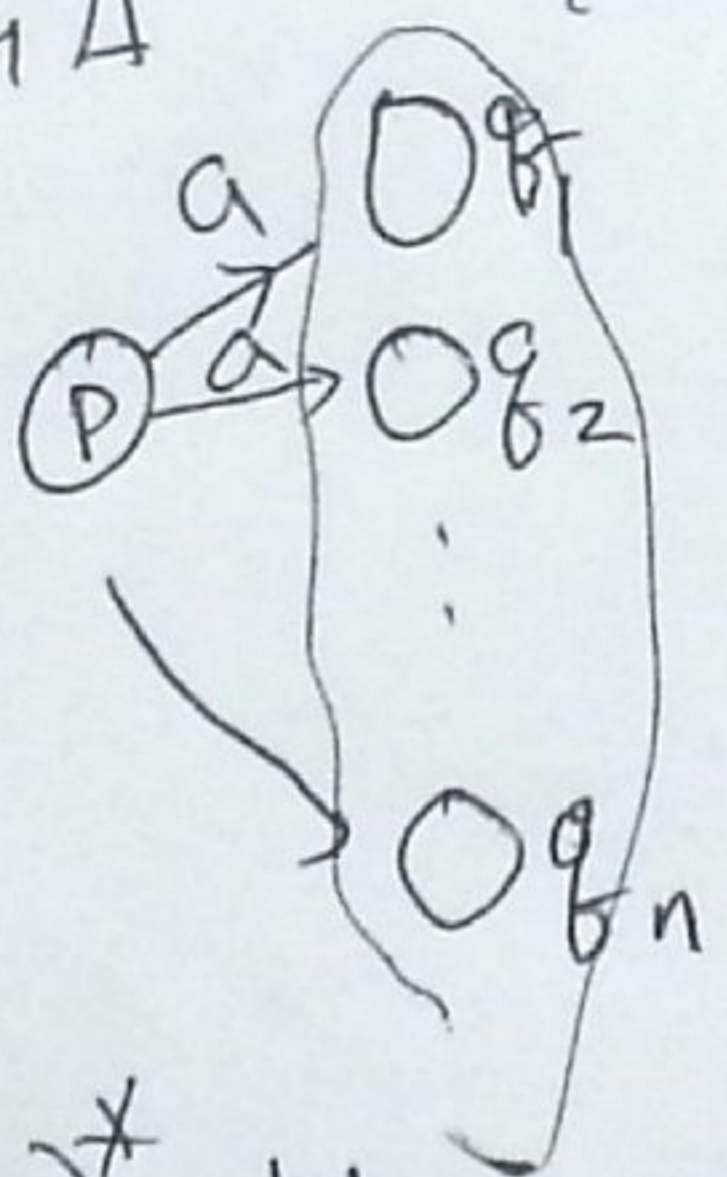
$q_0 x_1 x_2 \dots x_n \rightarrow q_1 x_2 \dots x_n \rightarrow q_2 x_3 \dots x_n \rightarrow \dots \rightarrow q_{n-1} x_n \rightarrow f \in F$   
 $x_1, x_2, \dots, x_n \in \Sigma^*$



$S \Rightarrow x_1 A_1 \Rightarrow x_1 x_2 A_2 \Rightarrow \dots \Rightarrow x_1 x_2 \dots x_{n-1} A_{n-1} \Rightarrow x_1 x_2 \dots x_{n-1} x_n$



$|Q_D| \leq 2^{|Q_N|}$   
 $\leq |Q_N|$



$\delta(p, a) = \{q_1, q_2, \dots, q_n\} \in Q_D$

subset construction

$(a/b)^* abb$

Pumping Lemma

