

instic P.1

$L_-(LID)^*$

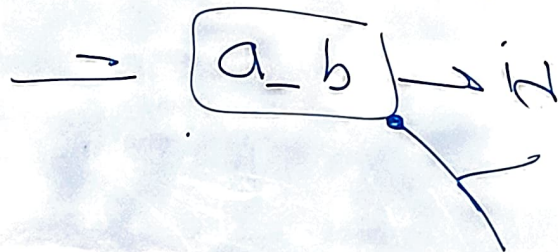
OP

$(a|b) \quad a, b$

$c \rightarrow ab$

$* \rightarrow a^* \rightarrow \epsilon, a, aa, \dots$

$+ \rightarrow a^+ \rightarrow a, aa, aaa, \dots$



$a(a|b)^*a$

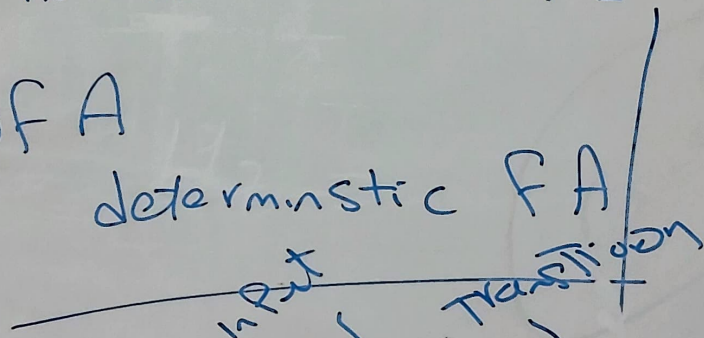
$= \{ aaaa, abaa, aaaa, aabaa, abba, \dots \}$

NFA

non deterministic F.A

DFA

deterministic FA



OP
1

$L(LID)^*$

$(a|b)$

ab
 $a^* \rightarrow \epsilon$

$\{a\}$ final state $a^+ \rightarrow a$

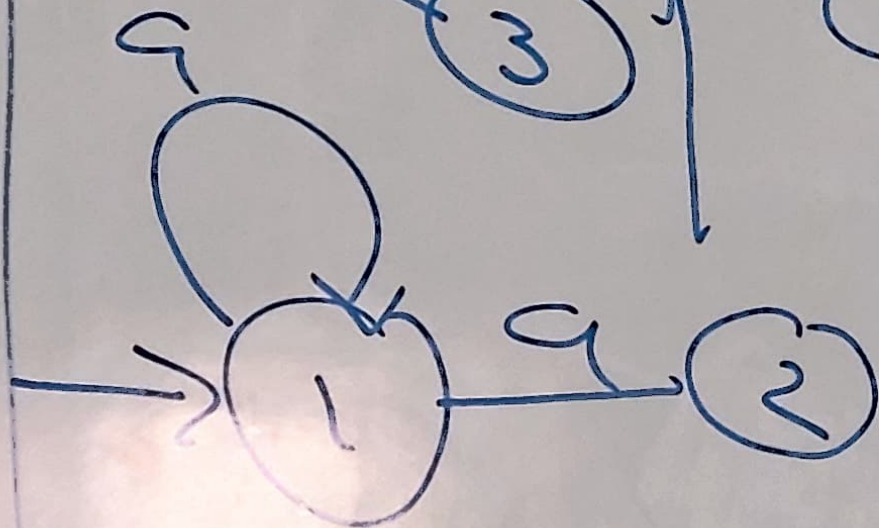
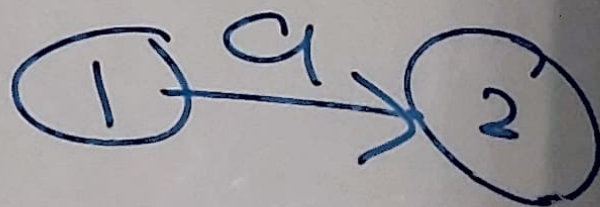
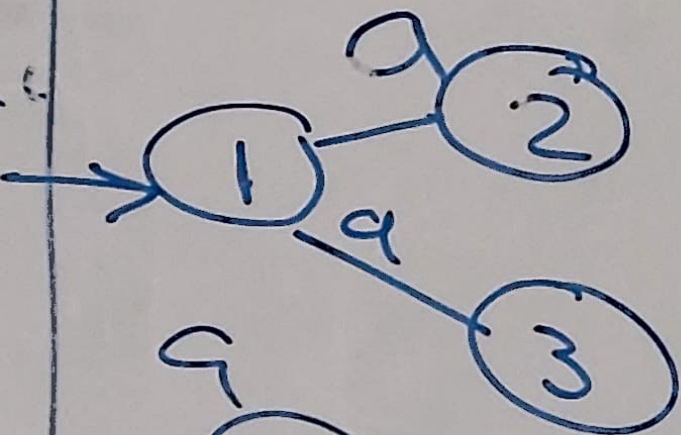
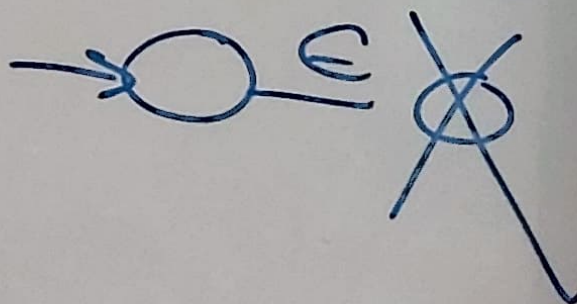
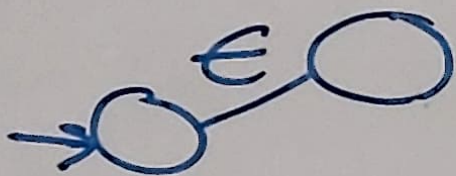
a_b

$\{a, b\}$ $\{a, b, c\}$

$\{a, 1\}$

NFA

DFA



$$\frac{(011)^*}{x} \cdot \frac{(011)}{y \cdot 2}$$

