Theory of Computation

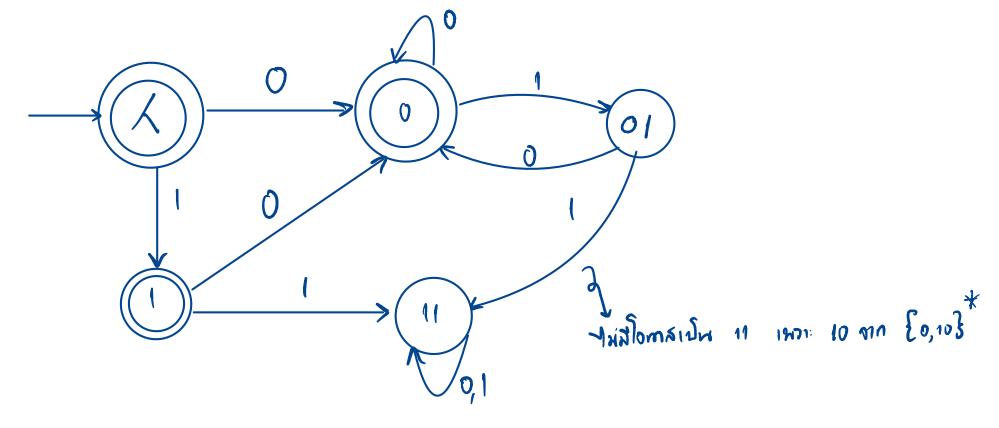
Exercise 2: (Deterministic Finite Automata - DFA)

1. Draw DFA for L1 \times $L1 = \{w \in \{0,1\}^* : w \text{ has no substring 11}\}$

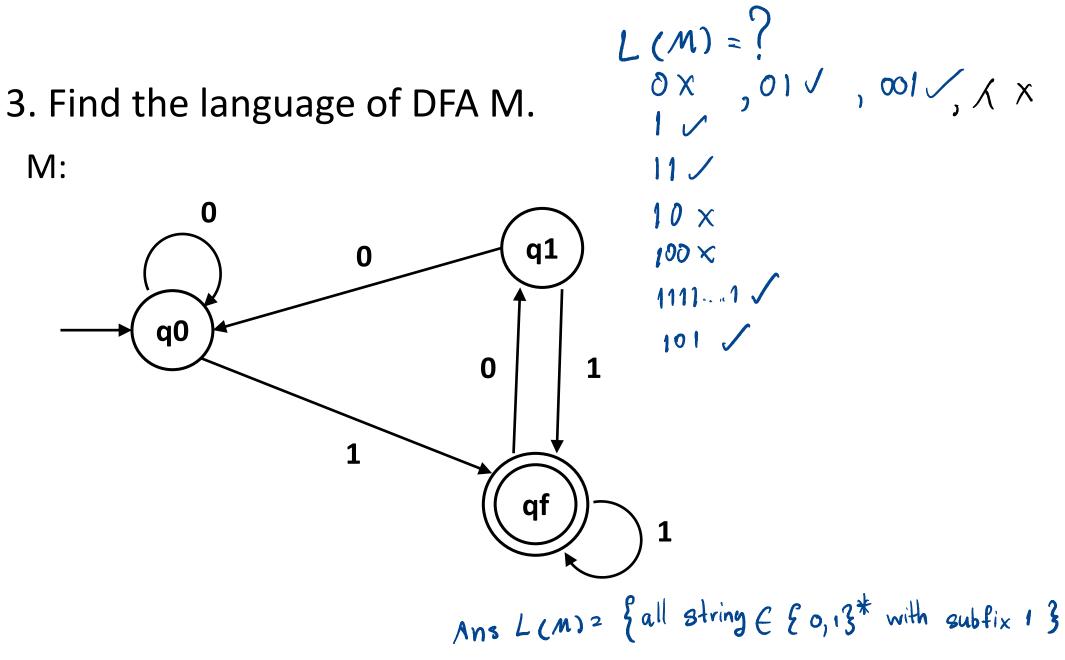
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2. Draw DFA for L2

$$L2 = \{0, 10\}^* \cup \{1\}$$
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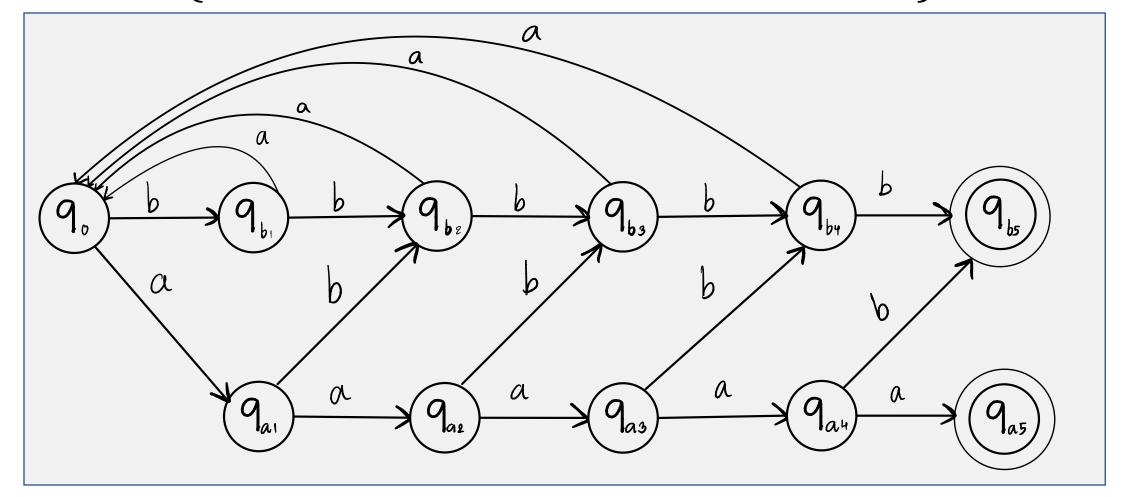
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(Homework 1)

* 4. Draw DFA for L3

L3 = { $a^m b^n$: m + n = 5; $m \text{ and } n \ge 0$ }



* 4. Draw DFA for L3

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L3 = {
$$a^m b^n$$
: $m + n = 5$; m and $n \ge 0$ }

