Assignment 5

Automata & Theory of Computation

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1. Find a regular expression for the language

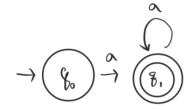
(1)
$$L = \{ a^n b^m : n \ge 3, m \text{ is odd } \}.$$

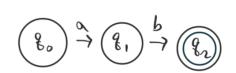
(2)
$$L = \{ a^n b^m : n \ge 3, m \le 4 \}.$$

2. Find an nfa that accepts L(r), where $r = (a^*a + ab)$.

$$(\overset{\star}{\underset{m_1}{\leftrightarrow}} \overset{\star}{\underset{m_2}{\leftrightarrow}})$$

Mi: Me





M.+M2

