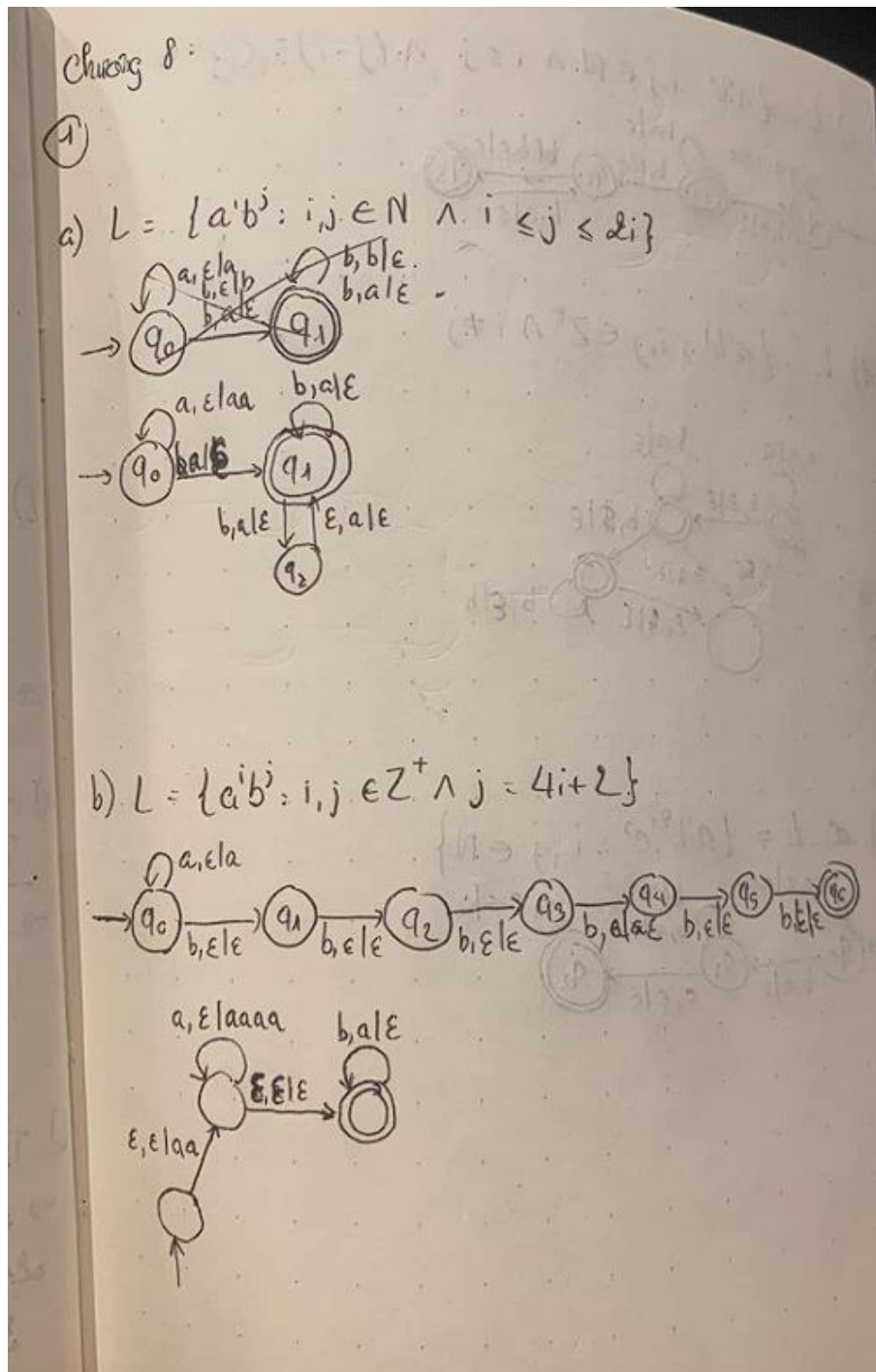


Automata và Ngôn ngữ hình thức – Weekly Exercise 8

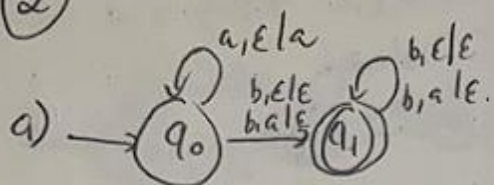
Giảng viên hướng dẫn: Phạm Trọng Nghĩa, Lê Ngọc Thành

Sinh viên thực hiện: 21127329 – Châu Tấn Kiệt

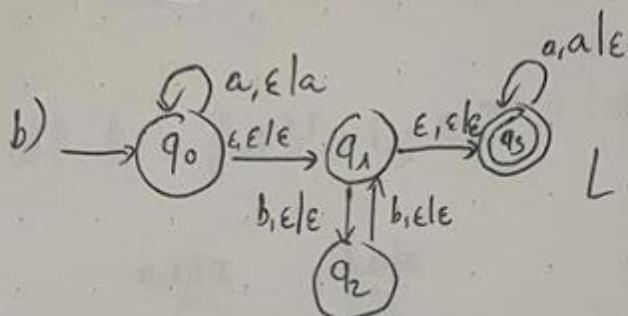
Bài 1:



2



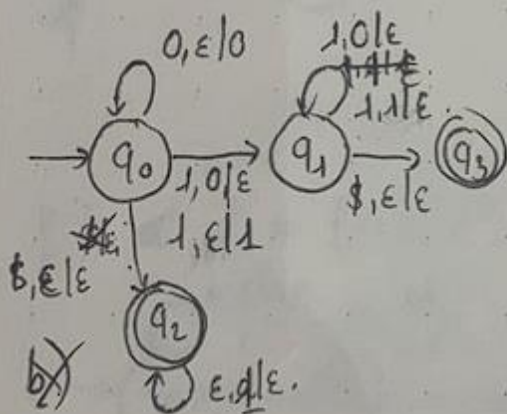
$$L = \{a^i b^j : i, j \in \mathbb{N} \wedge i \leq j\}$$



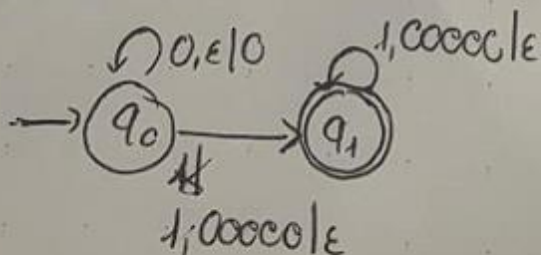
$$L = \{a^i b^j a^i : i, j \in \mathbb{N} \wedge j \geq 0\}$$

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a) $L = \{0^n 1^{2n} : n \in \mathbb{Z}^+\}$



b) $L = \{0^n 1^m : m, n \in \mathbb{N} \wedge n+5 \leq m\}$



e) $L = \{ w \in \{0,1\}^* : |w_0| = |w_1| \}$

