Assignment 2

Automata & Theory of Computation

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Name: of 737

1. Show that the language

$$L = \{a^n : n \ge 3\}$$

is regular.

반일 Lol regular 하다면, 스을 만큼하는 PFA Mol 존객한다.

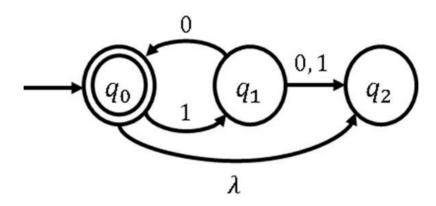
$$\rightarrow (\not q_0) \xrightarrow{\alpha} (\not q_1) \xrightarrow{\alpha} (\not q_2) \xrightarrow{\alpha} (\not q_3)$$

M= 938., 8, 82, 837, 301, 8, 80, 38,37

에 대하여, L은 M은 만큼한다.

s. Lis regular.

2. From the following nfa, find $\delta^*(q_0, 1011)$ and $\delta^*(q_1, 01)$.



(1)
$$\delta^*(q_0, 1011) = \{ \xi_{\nu} \}$$

(2)
$$\delta^*(q_1, 01) = \{ q_1, q_2 \}$$