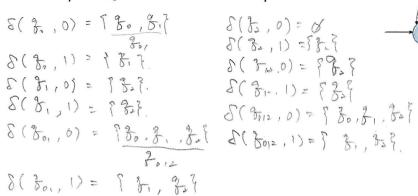
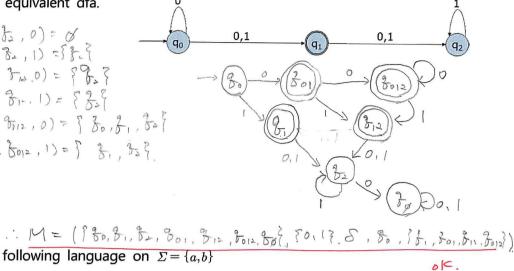
[Automata 2012 – 2 Homework]

[Automata Homework #2]

학번 200/03/46 이름 방 경우 분반 002 1 확인 2

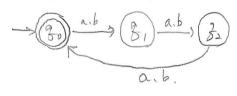






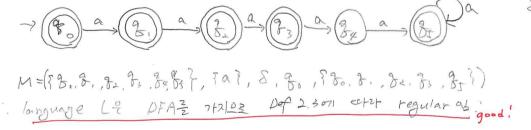
Excercise 2.1.7] Find dfa for the following language on $\Sigma = \{a,b\}$

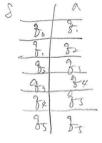
 $L = \{w : |w| \bmod 3 = 0\}$



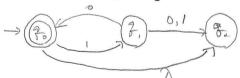
.'. M =(5 90, 9.	, 2.3	Σ, S	1.30	, 5 % ?)	
5:	\	0	6			0/5
	80	3.	8.			
	81	82	8.			
	2	2	50			

Excercise 2.1.13] Show that the language $L = \{a^n : n \ge 0, n \ne 4\}$



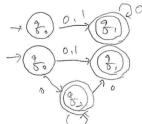


Excercise 2.24] In Figure 2.9, find $\delta^*(q_0, 1011)$ and $\delta^*(q_1, 01)$



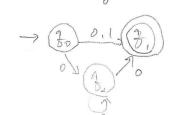
 $S^{*}(3,01) = S^{*}(3,01) \cup S^{*}(3,011) = S^{*}(3,011) \cup S^{*}(3,011) \cup S^{*}(3,011) = S^{*}(3,011) \cup S^{*}(3,011) \cup S^{*}(3,011) = S^{*}(3,011) \cup S^{*}($

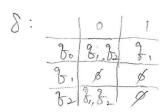
Excercise 2.3.8] Find an nfa without λ -transition and with a single final state that accepts the set $\{1\} \cup \{0^n | n \ge 1\}$



(3) :1 1872 10"= 1853+71 control x good!

: 18/1/25/2 Suple report from State 27/201 19/14/25/2

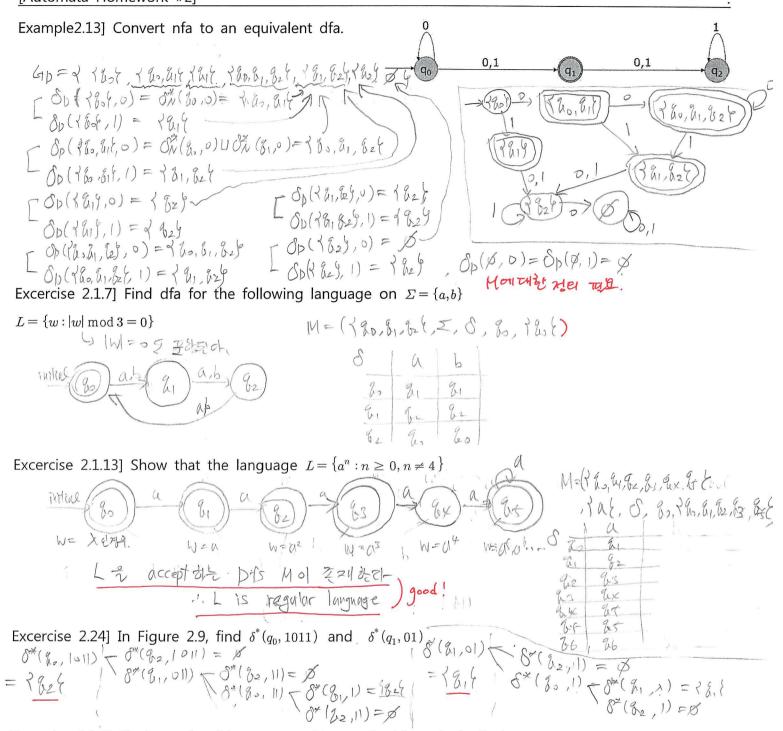




[Automata 2012 – 2 Homework]

[Automata Homework #2]

학번 2004 105 00 | 확인 인 1 | 학인 2



Excercise 2.3.8] Find an nfa without λ -transition and with a single final state that accepts the set

 $\{1\} \cup \{0^n | n \ge 1\}$

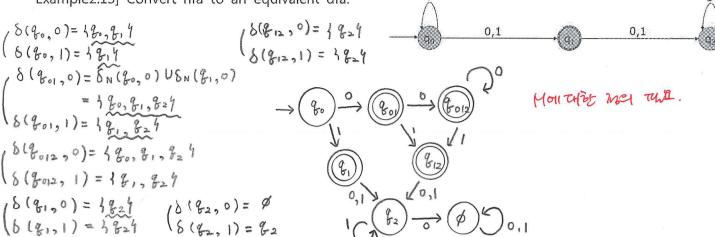
i.	M= (3%,	. 21,	824,	0, 1911)		
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		00	2122	Ø,		
		62	81, 82	×		

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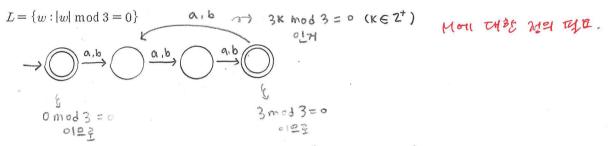
[Automata 2012 - 2 Homework]

[Automata Homework #2]

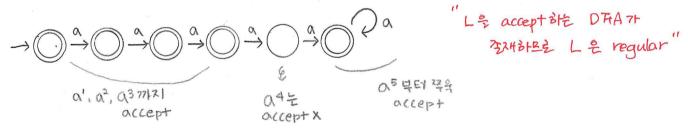


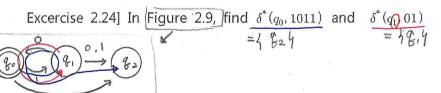


Excercise 2.1.7] Find dfa for the following language on $\Sigma = \{a, b\}$



Excercise 2.1.13] Show that the language $L = \{a^n : n \ge 0, n \ne 4\}$





Excercise 2.3.8] Find an nfa without λ -transition and with a single final state that accepts the set

