## 

Exercite 3. 5.1

consider the following E-NFA

	16	1	6	c
7 P	Ø 193	(4)	193	179
q	103	(7)	179	ø
**	199	45	ø	693

- a) E-clorure for each state E close (7) = 4 9 3 e close (q) = 4p, 93 e close (r) = 1 prairs
- b) give all the strings of length three or less accepted by the aubmation

	a	Ь	C	
→ P	£ 93	97.93	10,9,53	- Table NFA
9	19.93	18,9,53	19,9153	99 3 6 4 6 6 6
* [	9,9,53	4P.9,19	40,9,53	The state of the s

inputs:

Length 1 : C

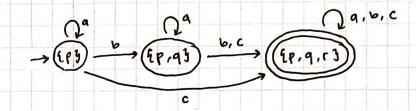
length 2: a-c, b-b, b-c, c-b, c-c, c-a

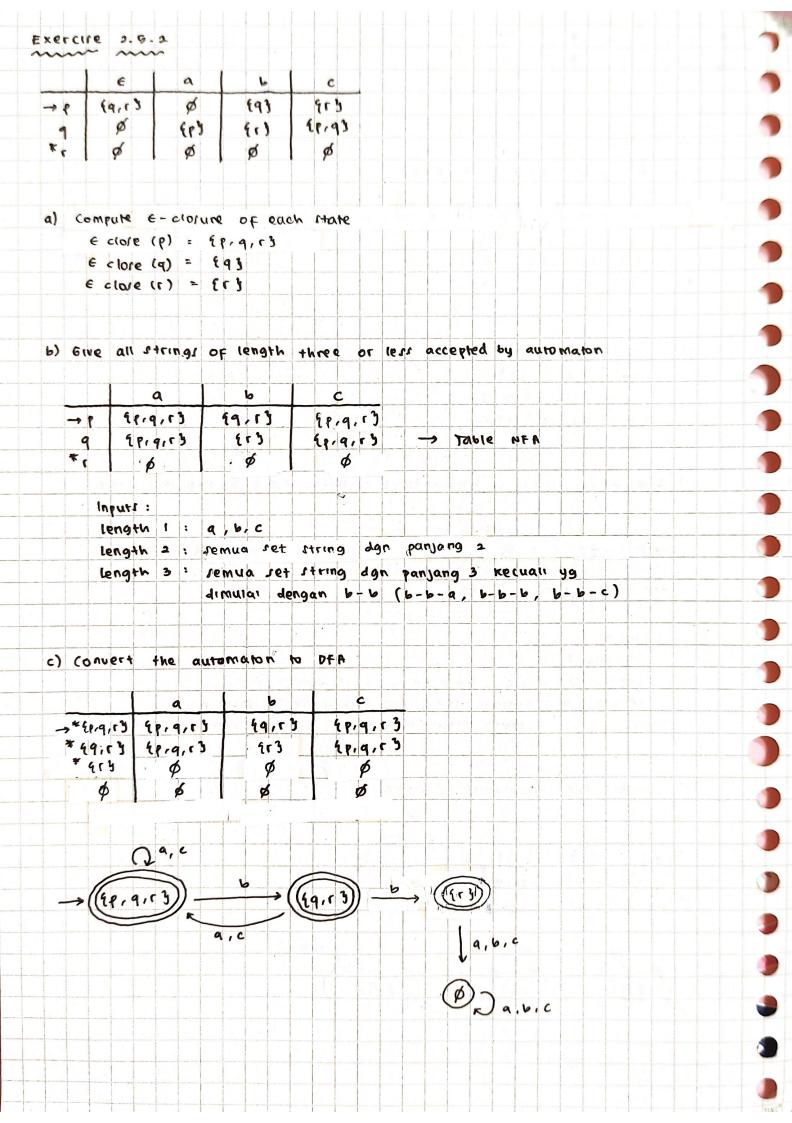
Length 3 : semua string dan max input 'a' 1 ka'ı

semua string dgn min input 'c' > kali dan 'a' 1 kali

c) Convert the automator to a DFA

	a	Ь	c
→ P	.473	49,93	49,9,03
18,93	919	19,9,53	1 9,9,53
	17,9,13	(۲, 9, 9)	49,9,53





perign e- NFA's for the following languages

a) The ret of strings consisting of zero or more a's followed by zero or more b's, followed by zero or more c's.

	E	1 9	6	c
→ 90	91	90	ø	Ø
9,	92	ø	9,	ø
* 92	Ø	ø	Ø	92

$$\rightarrow \textcircled{9} \xrightarrow{\epsilon} \textcircled{9} \xrightarrow{C} \textcircled{9}$$

b) set of strings that consist of either or repeated one or more times or 010 repeated one or more times

		E	0	1
	→ 90 {91,943		Ø	Ø
	91	Ø	92	ø
	92	ø	Ø	93
1	493	Ø	92	Ø
	94	ø	95	Ø
	95	ø	Ø	96
	96	ø	97	ø
*	97	Ø	95	ø

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