ø

KD po

123.39

PP)

marali in

90

· Buatlah NFA tanpa E-move yang ekuivalen dengan di bawah ini dengan umbol roput  $\Sigma = \{\epsilon, a, b\}$ 

Complete and the second	tabel	transisi	NFA	E-move
( ( )	6	a)	Ь	٤
40 9, 12	1 90	Ø	Ø	1.91
- t	91	92	Ø	Ø

e- 010 sure (40): {40,91}

e-dosure (91) = (91)

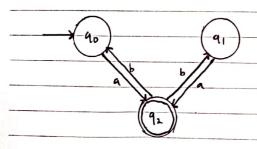
E. closure (92): {92}

7	abel +	ransisi yang bane		Tabel	transisi	NFA yang	baru
<b>F</b>		a	ь	6	a	Ь	
	90	2-c1(5(2-c1(90),a))	€-c1 (8(€·11(a0),b))	1 90	92	Φ	1-100
	Ť	4-c1(5((40Aiy,a))	e-c1(5({ao,a,},b))	91	92	Ø	2
		6-4 (12)	6.cl(B)	92	Ø	{90,91}	0 10
<b>L</b> .	1	{92}	3 - 1 <b>Ø</b> - 11 34 ± 1 <sup>-1</sup> 3.	1	tage to	N. A. 11.7	
	91	4-c1 (5(E-c1(q1), a))	8-c1 (5 (4-c1(q1),b))			12 10 1 11-2	
		6-11(8({913,4))	٤٠٠١ (٥ ( (٩١١) , ١١)	ā		in a pai	
		4-11 (92)	4.01(0)	je.	1012	1-215 1 1 3	A
	,	{12}	Ø		, A ,	, i) ·) is · ;	
	92	2- c1 (5(4-11(42),a))	e-cl (5 (4-cl(a2),b))			( . 6 ) (	
		4-c1(0({q2},a))	6-61 (5({92},6))		1	D. J. Marie	

E-C1 (90)
{90,91}

Ø

92



E-c1(Ø)

## 1. Buatish NFA tanpa c-move ma

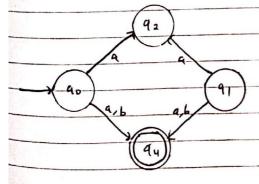
	tubel t	tansis;	16 4 6 000,	a warm
6 0 0	1 6 ·	a	Ь	€
92	90	Ø	, p	91
4 6	9,	92	94	93
	92	Ø	Ø	44
(93) (9y)	93	Ø	6	ø
	94	Ø	4	ø

(41) = {a1,93} (41) = {a1,93} (92): {a2)4} (43) = {43} (44): {44}

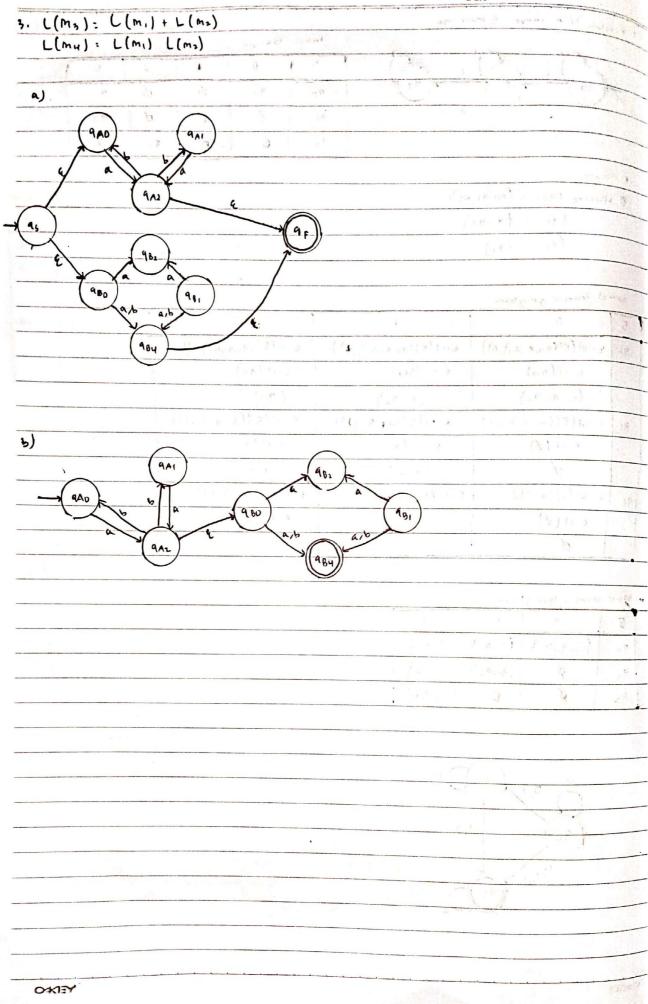
tubel transiti yangban

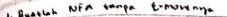
tabel	transisi	yung	barn
		9 0	

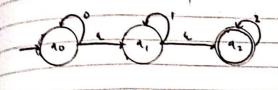
6	A	Ь		6	4	6	
40	4-4 (5(4-4 (40)))	4-41 (5 (4-41 (90), 6))		40	[93 A45	44	- 1
	E- C1 (5 ((90,91,933,a))	4- c1 (5 (400,41,933,6))		41	{42,9u}	94	
	٤- ( ( 92 )	E-c1 (qy)	1	92	\$	ø	p 8
	{42,44}	{au}		93	ø	i Ø .	•
91	e-c1 (8 (4-c1(41), a))	e. c1 (B({a1, 933, b))		94	Ø	Ø	1
	4- c1 (8 (91, 934, a))	e- cl (44)					
	6-11 (92)	{au}	7	1	s. 1. 1. 3 17	19.5	. ,
	4-1 {a2,94}	1 1 ( 1 1 2 1 2 1 )	4		1 -3 -1 -3-1	, , , , , , , , , , , , , , , , , , ,	
12	4- c1 (5([92,943,a))	a. c1 (8((a2,943,6))		,	, 12	1 2 1	
	Ø	Ø				Q	
95	e-c1(8((933,4))	a. c1 (8({43},6))					
	ø	Ø					
94	E- c1 (5 ({a43, a))	· - 11 (6((a4),b))		2.75	7	1	
1.	Ø	ø		1	1	-	1



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_	cu o c	cransisi				1 3 / w.)
	8	0	1	1 2	٤	Market State Comment
1	90	90	Ø	ø	9,	
I	41	Ø	4,	ø	92	
	92	ø	ø	91	ø	

C- cloiure

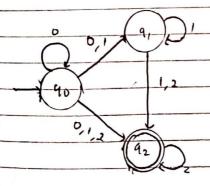
8 silving (90) =  $\{40,91,42\}$   $(91) = \{41,92\}$  $(42) = \{42\}$ 

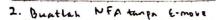
tabel transisi yang buru

(M	or a mises of mind form				
8	0		2*	A CONTRACTOR	a de la companya della companya della companya de la companya della companya dell
90	e- c1 (5((40,41,42) 0))	4-61 (8 ({90,91,923,11)	a-11(8({a0,41,923,2	)	, <sup>36</sup> )
1	4-11(40)	e-el ('a1)	6-11 (42)		
	{40,91,92}	{A1,92}	{ 92}		
41	2-4(5((41,42),0))	i. (1(5((40,923)))	4.4(8(44,42)	2))	
	e-cl (ø)	4-01 (41)	E-cl (92)		(4)
	ø	¿ a 1, 92 }	1423	e di j	/
92	e- c1 (5 ({a2})))	6-11(8(443,1))	(.'4 (5({923,2))		1 4 100
· ·	€-c1 (ø)	Ø	e-c1 (92)	4	771
	Ø		{92}	·	Y)
-			1		

tabel transisi yang baru

ह	D	1	2	
90	140,9,92}	{41,42}	{ 92 }	
41	ø	{41,92}	{ 92 }	
92	ø	Ø	{92}	



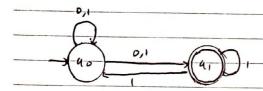


~°	tabel	transis;			
-(a) 4 (a)	б	0	1	٤	_
	90	av	ø	aı	
and the state of t	91	Ø	40	P	1

(40) = (40,41) (A1) = {41}

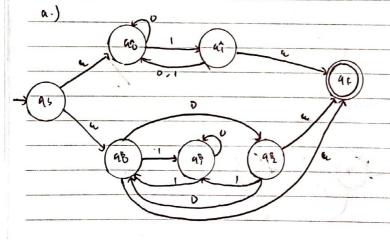
tabel	trungini	yang bun	
		4. 4	

8	1 0	
90	4-c1 (8({aomi},0))	E-cl (5({uo,u,y,1))
•	٤- دا ( ۲۰)	₩ E-c1(90)
	{90,41}	(no, a, y
41	4-c1 (8({a1},0))	6-c1 (5 ({a1},1))
	Ø	2-01 (40)
		[40,91]

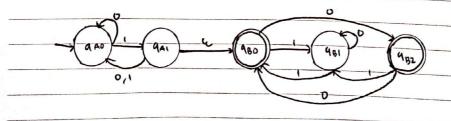


## 3. L(m2) = L(m1) + L(m2)

L(mu) = L(mi) L(ma)



4)



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## 5. Buarlah NFA tanpa e-move

	tabel	transisi			
- 4	6	a	Ь	٤	
	ao	90	Ø	41 5	
a) a1)	91	Ø	92	Ø	
	92	Ø	92	91	
	-				_

(a1): {a1) (a2): {a1,92}

fabel transiti ya bam

б		Ь		
90	4.c1(5({av, q1}, a))	4-4 (8 ({40,2,3,5))		
	E-c1 ( ao)	E-11 ( a2)		
	(ao, 1, )	{ 91, 92}		
91	4-c1(5({a1},a))	4-cl (5 ((a13,6))		
	Ø	4-11 (42)		
		{91,92}		
92	4-4 (8({41,92},4))	E. c1 (5 ({a1,924,61)		
	Ø	4-11 (92)		
	3	{41,42}		

Ь	tasci transisi ban			
4-11 (8 ({ao, 2, 3, 5))	8	a	6	-
E-11 ( 92)	40	{40,41}	{41,924	
{ 91, 92 }	9,	Ø	{4,92}	
4-cl (5 ((a14,6))	92	Ø	(41-92)	
4-11 (42)				
{91,92}				
e. c1 (6 ({a1,924,61)			-	
4-11 (92)				
{41,42}				

