Transformação e minimização

Novambo dais autômatos vão equinalentes?

No ambos recombecem a norma linguaga, ou rupa, se a palava e acesta no AFD, tem
que ses acesta no AFND, e rec-revos.

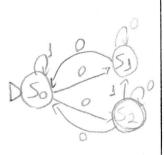
2) Sodo autômato finite diterministico (AFD) tem um autômato finito não deterministe
co (AFND) equinalente? Explique.

Sim. da mesma forma que consequimos encontra um AFD para um AFND
POT maio de transformação, também podemos encontra um AFD equinalente a
um AFD.

3) Qual o pador computacional de um AFND? Ep mesmo pador de um AFD? Explique.

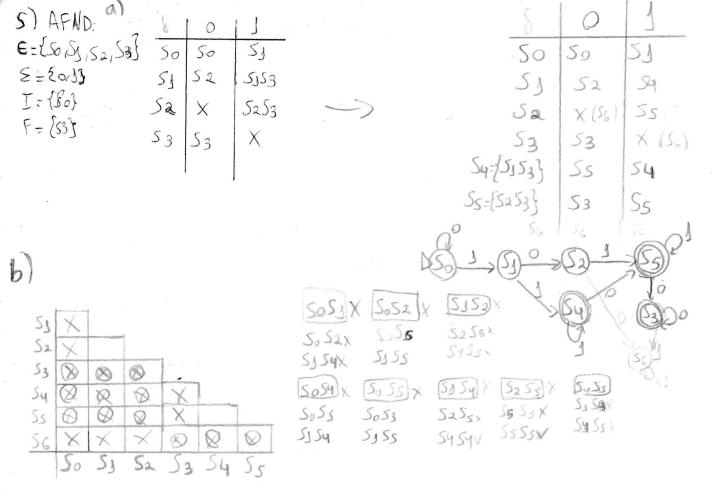
AFD

4) AFND: E={50,51,52} E={0,1} I={50} F={52}

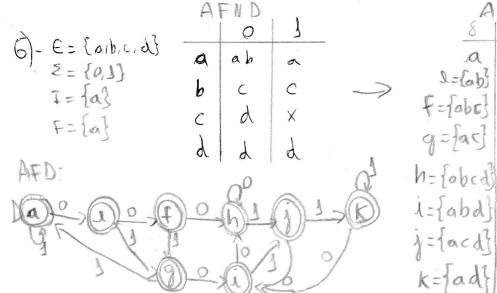


AFND	ı		AF	Q	
a). 8 0 -	- Wutpardig	8	0	1	The second secon
So 5152 S	0	5.50	<b>\$</b> 3	20	mod
53 (85)	X	27	54	X	
S2 S552 5	page-oct-of-page-	52	56	53	
Approximately and the second s		53={152}	54	153	
and the same of the same		4=1565,52]	54	55	
	Sign of the	55:[5,5]	54	50	- Military and
		56=[505a]	54	55	eri i i i i i i i i i i i i i i i i i i
	V	and the same of th	~ i «Conggrega		1

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	32	8	0					
	53	8	(8)		=			
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	55	New York		8	80	8	- T 1000	
	56	8	8			AND THE RESERVE STATE OF THE PARTY OF THE PA	8	
		50	53	52	53	54	55	Account to the second s







7)-
$$E=\{q0/q1,q2\}$$
 XXXXIII AFND:  
 $E=\{0,1\}$  Q0 Q0q1 q1  
 $I=\{q0\}$  Q1 Q2 Q2  
 $F=\{q1\}$  Q2 X Q2

La San	0	Considera
90	93	93
93	92	92
92	X	92
93=8091	94	95
of ={apa1a2}	94	as
95-(9)(3)	q2	92

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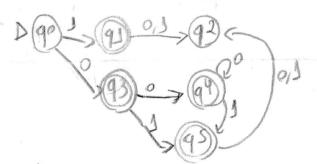
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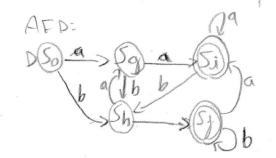
$$8 - E = \{ S_0, S_1, S_2 \}$$
 AFND:  
 $E = \{ S_0, S_1, S_2 \}$  AFND:  
 $S_0 = \{ S_0, S_1, S_2 \}$  AFND:  
 $S_0$ 

9)- E={So, Sy, S2, S3	F}	AFN	) -	
5 12	- and	JOA	6	
E={a,b}	50	51	52	
I = (40)	53	SISE	51	
F={5F}	52	SaSE	52	
	Se	Se	2	

Al	FD:			0		1 pp	
So	50	51	miler	000)-1	-	2)(2)(	
53	52	53	=)	7,990		*(53)	jo
52	52	5)				To.	
53=[5], 52]	22	53					
		AF	D:	4			

	AFD	- 6
So	Ss	52
53	59	53
52	Sh	52
SF	SF	SF
Sq=[515=]	50%	50%
外部	Sh	Sh
,		

	AFI	):
50	581	Sh
59-7655	Si	5h
Sh={5052}	Say	Si
Si=रिक्सिन्	55	5h
5j=26505F}	53	5



15	) Corondra o	AFD:
	11 0 0 0	-7 01

$$E = \{S_0, S_1, S_2, S_3, S_4, S_5\}$$
  $\frac{8}{S_0}$   $\frac{$ 

	55	55
b	>(5)	7° b

54 54

52

53

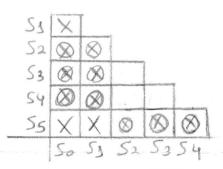
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55

## a) AFD min:



(50.53)	5253 EQ	5055 NE	Q 5355
SJSOX	5454V	5354X	SSSX
5253V	5555V	2572X	53.55X

Sa Sy ER	5354 EQ
54 S4V	54 54
5555V	55 55 V

16)-AFD:	8	a	b	[c]
E={50,53,52,53,54,86}	So	So.	27	53
≤= {a,b,e}	53	X5	54	52
=-[a/b/e]	52	Xs	53	52
1=50	53	X5 54	35	53
1=1 72/395	54	Sy	51	85
	55	55 1	55	55

Mão ha como minimper

a) AFD min:							
53	X	- COLUMN TOWNS OF					
Sa	8	8	-contraction				
53	X	X	0				
54	(8)	(3)	X	1	Autoria sciencida		
55	×	X	8	4	8		
	50	51	52	53	54		

SSSSX

1202	5053
5855 X	50 S4X
S <sub>3</sub> S <sub>2</sub> ×	SJ SSY S3 S3V
[2152]	5055

The same of the sa		The second of the second second	
51 5	1 53 54	55 55V	5025X
		S1 55 N	5155
•		5255X	5355
520	[5254]	15157	S. 54
(3-3)	5 600	The second second	
72771	3434	55541	22 24 K

5155X