Tugas Mandiri 6

Pama:	Arzaka Battan	Hacuardi	
Kelas:	PSD - C	¥ 2	
Ppu:	2306152393		

(1). A(t+1) =	(1(t).B(t)	((x (t)	+ A (+1)
	B (++1) =	B(t) . A (+)		× (+) ¹	
	Y (+) =	Alt) 1	BLE	Ð	r (t)

one - din	nengion		1		1	
Current	State	input	hext :	siare	Output	
A(t)	B(t)	x(t)	A(+)+	B(t)*	, γ	
0	0	0	· , t,	- ,-1	Ø- 1	•
0	0	1	0	0	1.	
0	ı	0	7	7 L <u></u>	. L	
0	(1	0	0	1: O	
1	0	0	0	١	1	
(0	1	0	0	0	
	١	0	1	l →	± 0 ; 10 . 10	ie
1	1	1.	11.	al .	J. John	

Current :		χ= C		X = 1	8 (+1+	Cut X=O	x=1				
					B (+1+		X = 1	4			
ALFI 8	B (E			A(t)*	B (+1+	γ.	Y				
		1	-	-							
	0	1 1	l	0	0	0	1		1		
0	1	1	1 :	0	0	1	0	4 []	1		
1		0		0	0	1	0	41 B	į.		
	G	10			1	10	1				
1 1	1.	1	1	1	1 '	0	<u> </u>				

1	G	0				
_		1	0	0-0	Pada Saat clock high dan D=c.	
1 1	0	- 1	0	0=0	Q(491) = Pesex +0 ()	
1	1	ò	1		Pada saar clock high dan D=C,	
<u></u>	1	(1	0=1	act+1) · set to 1	

-...

Name: 1472844 Rakan M VPM: 2306152393 Kelac: PSD - C

YPH: 2306 Yelas: PSD

hama: Hise

eras: Ps	V - C							
b. SA	Flip -	flop		-				State T
Clock	S	_	R	Q(t)	QLt+1)	朱	karakteristik	Present
1	0		0	0	0	S=0,	Soat Clock high dan S=C, R=C,	A
1			0	1	1	R=0	Giltni) G(+) Stau temember G(+)	100
1	C	כ	t	0	0	S= 0,	Saat Clock high dan S=0. A=1	- B O O
1	C)	1	(0	R:1	Q(E+1) = 0 8+84 12524 No 0	
1	(0	0	1	S= 1,		E
1	(0	1	1	R=0	QCHL): 1 8184 Set to 1	FII
								4 1
· T	flip flo	P					1.12 × 3 × 1.12	
ocu	τ		Q(E)	Q (++1	1)		arakter istik	x
1	G		0	0	T=0		clock high dan T=0, Q(H1) =	
1	0		1	((20	QU	:) karena ((LEF2): QLF) © O	
1	(0	l	T= 1		clock high dan T=1, Q(+11): G(E)	Pro
1	1	-	l	0	1-1	KBre	ena G(t+1) = G(t) 1 1	Pr
7K	Flip	Acap				¥)	·: ; : : : : : : : : : : : : : : : : : :	
locu	3 1	K	Q(t)	QLH1)	1	Karakteristik	A
1		0	d	-0	3=0	Saar	clock high dan J=0. k=0, G(4+2) = G(4)	В
1	0	0	1	1	K=0		remember QUI	С
1	0	1	0	0	1=0			D
-	-	$\frac{\cdot}{\cdot}$	1	- 0	K:1		Cloca tigh dan J=0 dan k=1,	E
1	0	$\frac{1}{2}$					+1): O grav resset the C	F
1	1	0	0	4	J=1		clock high dian J: 1 din K-a	
1	11	0	(3	K:C		41):1 Atou get be 1	G
1	1	l	0	1	1:1	4	clock high dan J=1, k=1,	
1	1	l	1	0	k:1	alt	+1): Q(t) 8t84 (cggle Q(t)	1
		. 10				_	06	
	,	1/0	()	1	0.	(A)-	<i>∞</i> / <i>c</i>	
-			(B)				\rightarrow (D)	
	. /			1/0			1/0	×
	o) ⁽	/		10		0/0		
	3/1	_					E	. X
<u>(</u> C	1.5	_	C)			110		
	1.		0/1			7.0		
					1	\times		1
		9			X		10	
		<u> </u>				>		
			\ ,				Asumsi: Ourput	1 hodan
			7					
)			pada saar ciccu itu ji	198, 102
							meniungga, Clack lanjuton	•

Dama: Arzaua Raffon Mararon YPH: 2306152397 Kelas: PSD - C State Table Output State Vext Present State k = 0 ¥ k:1 C 0 0 1 0 Ö 0 0 0, Ol 0 0 0 0 0 0 0 0 1 0 0 0 0 1 t 0 0 Û 0 0 1 0 \circ 0 G l 0 O (O 0 0 1 x Х K-Pro sedur design State Output Dext Present State χ=0 k = 1 x=0 x=1 Do: Y Υ C B D D2 D1 Do D2 C 0 G 0 0 0 (0 0 (0 (0 O 0 0 0 0 ł 0 O 0 0 l 0 1 ٥ O 0 ŧ 1 0 0 O \circ \circ 1 0 O \circ 0 1 1 0 0 0 (0 0 0 1 \circ (0 0 $^{\circ}$ 0 Į 0 O 0 l 1 አ ķ X k አ ኦ χ X ኢ X OPHMIZOHON **V**₁ В, В (D2) Q2 = A'BC + X.A'. B+ XAB' 0 1 0 0 D1 = -x => A'B(c'+x)+ XAB' 0 × X 0 XB'+ X'C + X'A + AB'C 1 ょ , **x** => x' (A+B'+C) + AB'C O 11 0 0 C' Œ c c C C Do = B' 1' X'A'C'+ X'A'B+ X'AC+ XAB+ XA'B'

0

0

0

0

0

II

C

T

0

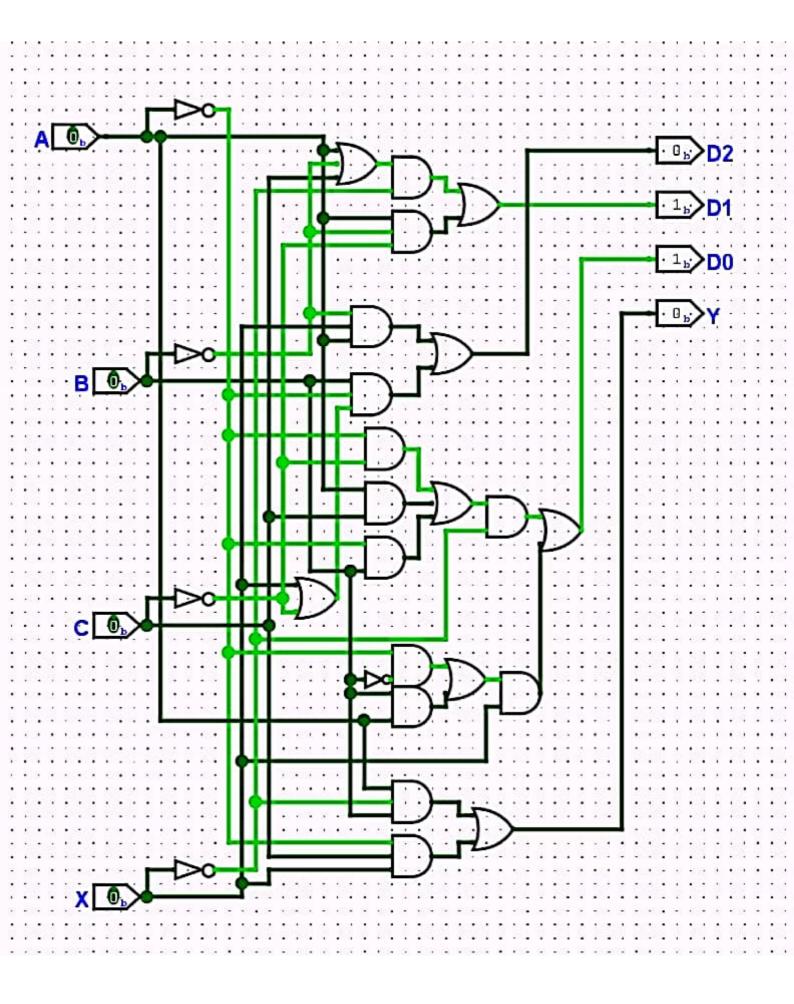
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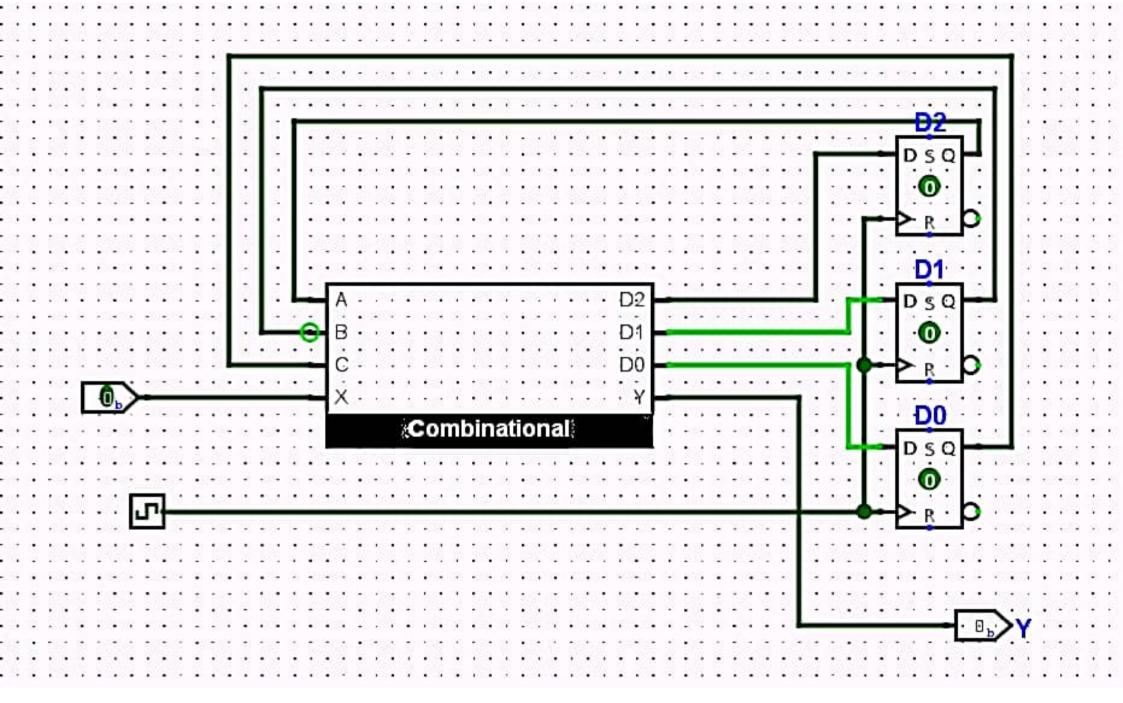
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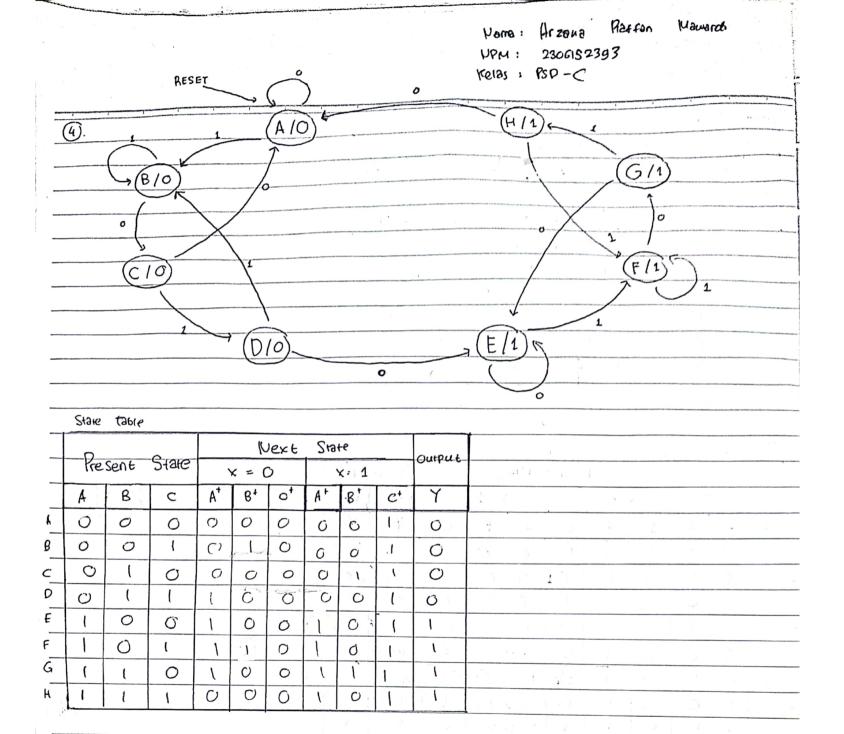
x

X

0







Nama: Arzana Raffan H.

kelas: PSO - C

PPM: 2306152797

	Pre	2 Seu t	State	inpu	N	ext S	tate		Flip	Flop	-	Pul		autru
	A	В	C	X	A+	B+	C+	ACT	KA	JВ	kB	JC	KC	Y
	0	0	0	0	0	0	0	O	×	0	>	0	×	0
	0	0	0	l	0	0	1	0	X	0	X	1	×	0
	0	0	1	0	0	1	O	0	Х	1	X	×	1	0
d 10 a a Miles 10 a	0	0	1	(0	0	1	0	*	0	×	x	0	0
	0	(0	0	0	0	0	0	×	X	2	0	×	0
	0	(0	1	0	(1	0	X	k	0	1	×	0
	0	1	(0	1	O	0	1	×	\times	1	x	1	0
	0	(((0	0.	l	0	X	×	1	×	0	0
	(0	0	0	l	0	0	×	0	0	>	0	k	ı
	1	0	0	1	1	O	(×	0	0	۶	1	×	1
	1	O	1	0	1	1	0	X	0	1	k	k	1	1
	(0	((1	0	(×	0	0	X	۴	C	1
	1	ı	0	0	1	0	0	k	0	×	1	0	×	Ι.
	ĺ	1	O	. ((1	1	k	0	×	0	1	ĸ	1
	1	1	.1	0	0	0	0	K	1	x	1	×	1	
	1	(1	1		0	1	X	O	7	1	ĸ	0	1

-OPHM128HON KB JB JA KA c' ょ X 0 -A' 1 0 1 0 X 0 X 0 0 × بح × ጽ -A × X B, 0 × . KD = BCX' KB = C JB = Cx' JA: BCX' 4 KC JC Dama: Arza Haffan 0 × 0 X 0 C O 07 04 0 2306152393 0 upu: ኦ × × PSD-C Hela: ۶ × \mathbf{x} ኦ (g \succ KC= X' Y = A Jc= X

