Tugas Mandiri 7 Date
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Keiss: (PSD-C
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The state of the s
1. 2. Register adalah unit penyimpanan atau koleusi kecil dan sebuah binary
V2 4
Sedang diproses. Biasango register digunavan untun merakunian pengimpanan data z yang kecil perpindahan data, din proses operasi data.
data 2 yang keci , perpindahan data, din proses operasi data.
b. Karena tujuan register adaiah Monyimpan data, Struutur dari register
Juga harus terdiri dan unit yang bisa mengimpan dara juga Salah satu
unit ini adalah flip-flop, dimana flip flop dapar menyimpan 1 bis dara
The property of the property of the party of
1.002
C. Microoperations Merupauan operasi's dasar yang dilaunuan pada level terendah
dalam unit pemrosesan data di dalam sebuah komputer. Hicrooperations
dijalanuan pada level bit di dalam register.
01 0101 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
d. I. Transfer Microoperations: Merupauan prosedur meminorahuan data dan
Suatu register le register (dinny 2.
contoh ATL: R1 (data dan R2 di-transfer 40 R2)
I Arithmenic opperations: Mercipalian sebuah presedur untuk menerapikan
proses aritmetica dan data di register. Operations: (+, -, * /)
Conton BTL: B3 - B1 + B2 (penjumbahan data Bs dan B2 dasim
ds dalam Rs)
II. Logic Hicrooperations: Herupauan Sebuah prosedur unser acces
Otto menggun auan operan buwise (operan per lont) Kepada data.
Operations: (V, A, E,)

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Date.		13 15			
Con toh	BTL:	, , , , , , , , , , , , , , , , , , , ,		de R1 di-XOR dan chafa	di R
			socare but	wise dan di-store Oi 192)	- 3
IV. Sh	4+ Micros	perations: Sabu	dh proses S	thiff data arous mengeser de	n + c
Con toh	RTL:	SI BA (Shift	(eff A1)		
	Ro	←srR2 (Shiff	right R2	lalu store de Ro)	.0
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2.) R		0101			
a. Ro	€ R	1 + R2 + 1	1846 20	eronno (feat ena fi	ach
≈ 7	h1 =>	0100	101	C-	
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ja Š	Ro	= 0110	1110	of was a file of the deep of	7 (11)
b. Ro	_	12 A R2	<u> </u>	toma Protecti Curilly	انہ
	Re =>	0100	010	01	= 4
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4	CRIA BI	=> 1011	10:	10 and their along warrants	à
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c. Ro		1 R ₁			
Carr	R ₁ =>	0100	0101		
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-				and the state of	

(1) R ₀ ← R ₁ ⊕ R ₁ R ₁ => 1011 1010 R ₂ => 0010 1000 Baue Acr (€) R ₃ => 1001 0010 C. R ₀ ← 36R, R ₂ R ₂ => 1101 0111 3sR, R ₆ => 1110 101 R ₆ · 1100 1100 R ₆ · 0110 1001 R ₆ -> 0101 1010 R ₆ => 1011 1010 R ₈ => 1111 0000 Solution R ₁ => 1010 0101 R ₂ => 1001 1010 R ₃ => 1010 1001 R ₄ ← R ₄ ← R ₅ R ₄ => 1111 0000 Solution R ₅ => 1001 0110 R ₆ => 1001 1001								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(d). Ro c-	- R ₁ d	R ₂		1 (2 30	',	<u></u>	
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e. $R_0 \leftarrow 3c_R R_2$ $R_2 \Rightarrow 1101 0111$ $R_0 \Rightarrow 1110 0101$ $R_0 \Rightarrow 1100 1100$ $R_0 \Rightarrow 0110 1001$ $R_0 \Rightarrow 0101 1001$ $R_0 \Rightarrow 0101 1010$ $R_0 \Rightarrow 1111 0000$ $R_0 \Rightarrow 1111 0000$		1001	001	0	5 } ; ;		3	
Re => 1 1 0 1 0 1 1 1 1 2 1 0 1 1 1 2 1 0 1 1 1 1	10 -7							
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3). $R_{A} = 1010 0101$ $R_{B} : 1100 1100$ $R_{C} : 0110 1001$ 2 $R_{A} \leftarrow R_{A} + R_{C}$ $R_{B} \Rightarrow 0101 1010$ $R_{B} \Rightarrow 1001 0110$ $R_{B} \Rightarrow 1111 0000$ b. $R_{B} \leftarrow R_{B} \rightarrow R_{B}$ $R_{B} \Rightarrow R_{B} \rightarrow R_{B}$	0	1 1 1 0	10	11	0000	(3)		
3). $R_{A} = 1010 0101$ $R_{B} : 1100 1100$ $R_{C} : 0110 1001$ 2. $R_{A} \leftarrow R_{A} + R_{C}$ $R_{A} \Rightarrow 0101 1010$ $R_{C} \Rightarrow 1001 0110$ $R_{A} \Rightarrow 1111 0000$ 3). $R_{A} \Rightarrow 0101 1010$ $R_{A} \Rightarrow 0101 1010$ $R_{A} \Rightarrow 0101 000$	10 0)				- CHANG	(ra	3	
$R_{B}: 1100 1100$ $R_{C}: 0110 1001$ $R_{C}: 0110 1001$ $R_{A}: P_{A}: P_{C}: P_{A}: P_{C}: P_{C$	2) P 1/	310 010	31	0000	1			
R_{c} : 0110 1001 $R_{A} \leftarrow R_{A} + R_{c}$ $R_{A} \Rightarrow 0101 1010$ $R_{C} \Rightarrow 1001 0110$ $R_{A} \Rightarrow 1111 0000$ $R_{B} \Rightarrow 0011 0000$	$\frac{3}{p}$. $\frac{n_4}{n_4} = \frac{10}{10}$			-			. 6	-
2 $R_{A} \leftarrow R_{A} + R_{C}$ $R_{A} \Rightarrow 0101 \ 1010$ $R_{C} \Rightarrow 1001 \ 0110$ $R_{A} \Rightarrow 1111 \ 0000$ b. $R_{B} \leftarrow Cr R_{B}$ $R_{A} \Rightarrow 0011 \ 0011$ $R_{A} \Rightarrow 0011 \ 0011$			- 1		,	!	-	* ~
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$R_{A} \Rightarrow 0101 1010$ $R_{B} \Rightarrow 1001 0110$ $R_{A} \Rightarrow 1111 0000$ $R_{A} \Rightarrow 0011 0000$ $R_{B} \Rightarrow 0011 0011$ $R_{B} \Rightarrow 0011 0011$				_0.1.15				-
$R_{R} = 7$ 1001 0110 $R_{R} = 7$ 1111 0000 b. $R_{B} = 7$ Cr R_{B} $R_{B} = 7$ 0011 9011 $R_{B} = 7$ 0011 9011	a na —	MA + Mc						
$R_{A} = 1111 0000$ $B_{B} = Cr R_{B}$ $R_{B} = 0011 0011$ $R_{B} = 0011 0011$				000	0 . 0	110	Gar of t	
b. RB = Or RB BB => OOII 9011 BG or July 1001	Re =>	1001	0110	4				
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4. 2. Cx Cy : A -	T V 3
Cx Cy : A ←	B
Cx Cy : 10 A C	
Cx Cy: A	ANB

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