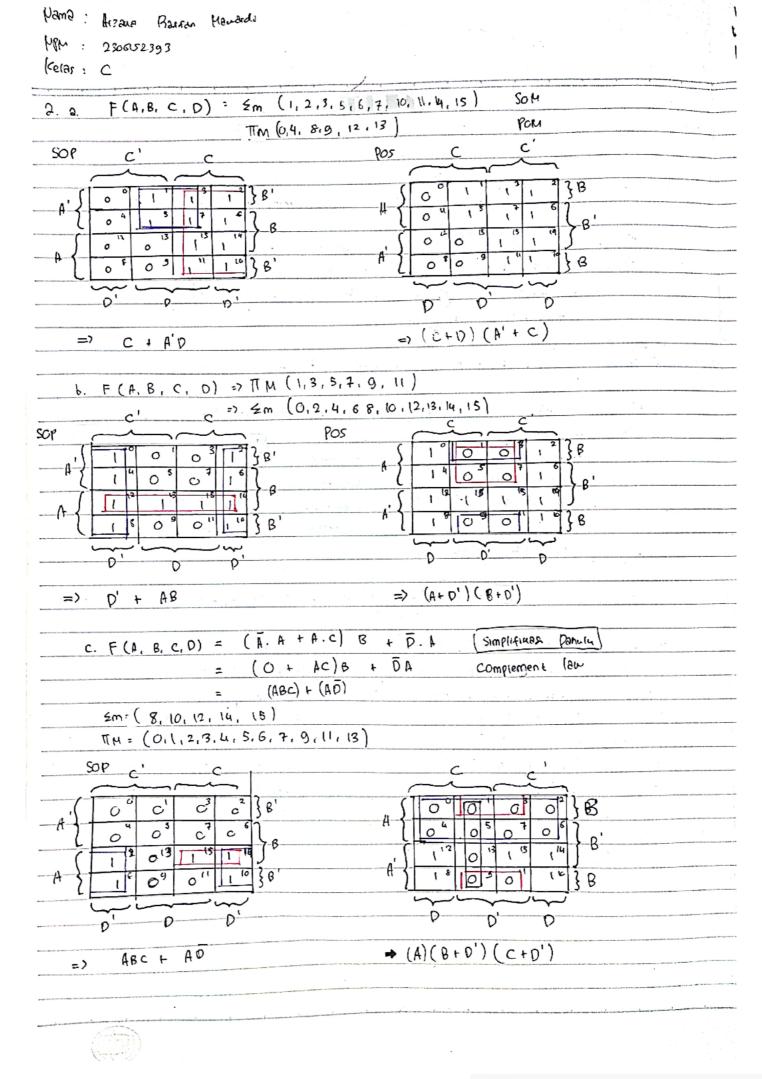
Vama. Arzaha Raffan Mauadi	
kelas : C	
PPM: 2306152393.	,
1) d. F (A,B,C,D) , D+ A (C.D +B) + B, C.p = 2 L. G. C.
	distribution (am
=) D : AB : BCO	Absorption law (A+AB,A) Absorption law (A+AB: A+B)
TO A THE RESIDENCE VALUE OF THE PROPERTY OF TH	Appropried Yan (41 11 h
Ly Lyles, G=7, Gn, 8	
3. F(ABC,O) , (D.P + A.B).C + D.C	=) L: 7, G·12, Gn: 13
#	
=> (D+AB)C+OC 4 Va	mpotent law (AA = A)
=) co+ 48c+0c d	ismbutue low (
CO + OC + ABC	Emmutance law
	listributive from
C.1 + ABC	Complement (au (A+Ā=1)
	(Hosciption (8w (A+148, 14)
=> L=1 (G:1, GK=1.	
3 F(A,B,C,D) = D. (A.C+ C(B.B) +1	P.A)) + AC => L=(c, G=18, An=1)
=> D. (AC+C(B+DA)) + AC	removent 10m (1+A = A)
=> D. (AC + BE : ACD) + AC	distributivo law
=> D. (AC+HCD ~BC) +AC	Commutanue (an
=) D. (AC+BC) + AC	Aborphon len (++AB: 4)
=) ACD + BCD + AC	distributive law
=> AC+ ACD + BCh	Commutative (on (A+B = B+A)
=> Ac + Bcp	Aborphon 186 (11+148 = 11)
=) c(HfBO) -	Samburue (au
i	
L= 5, G:7, GN:7	
· · · · · ·	
4-	



Vama : Arzana Bastan Hawardi

Upu : 286152793

Kelas, C

3. 8. P(A.B.C.D) =				CD+ (AB+C).C	idempotent law (AA = A)
=)			=)	CD + ABC + CC	Edeributio lau
= > = > = >			ر د	CD + ABC + C	laborpotent law (AA = A)
			=)	C + CO + ABC	communitative law
			=)	C + HBC	Absorption law (14 + AB = A)
			=)	C+ CAB	Commutation law
			=	> с	Absorption law (H+AB = A)
Tre	oth T	Bble		,—	
A B	_	_	F		
	0	0	0		
0 0		_ \	0		
0 0		C	-	Sum of Minterms (SOM)	
0 0			I.	=> £m (2,3,6,7,10,11,1	4,15)
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0 1	0		0		
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0 1	1	1	1		
10		0	0	Product of Watterms (PO	
1 0		0		=> TH (0,1,4,5,8,9,12	1 (3)
1 0		-		1	
111	0	0	0		
	0	1	0		
, ,	1	O	1		
	1	1	1		
<u> </u>					
h	F(H. B.	, С,	0) = D.A + B(CB+00)	
				= 0.4 + B (CB + D)	
	;			= DA + BBC + BD	
				= DH + BC + BT	
				p)	(100 (114 - 11
	;			= DA + BBC + BD	distubence (or

Pama: Arzana Ruffan Hawards

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Trush Table A B C D P O O O O O O O O O	Tout	Tak		,,		
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0 0 0 1 0 Sum of Winnerm (SOU) 0 0 1 0 0 => \(\frac{1}{2}\) \(\frac{1}{	-	-	-			
0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-					
0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						=> 5m (5,6,7,8, 10, 12, 13, 14, 15)
O 1 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0	-I					
O (0 1. O (1 0 1. O (0 0 2.) TIM (O, (1, 2, 15, 4, 9, 11)) (O ((0 0 2.) TIM (O, (1, 2, 15, 4, 9, 11)) (O ((0 0 1. I (0 0 0 1. I (0 0 0 0. I (0 0.	0					
0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	(0	(1.	
1 0 0 0 1 0 Product of Monterms (POM) 1 0 0 1 0 Product of Monterms (POM) 1 0 0 0 1 => TIM (0,1; 2,5,4,9,11) 1 0 0 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 1 1 1 2. F(A, B, C) , A (BA + BC) + B. B (DAND) = A (BA + BC) + B idempotent law (AA : A = ABB + ABC + B Idempotent (aw (AA : A)) K-Nap Buar AND, pot, CR Gates	0	(0	١	
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1	l	O	0	.6	١	
	(0	0	1	O	Product of Maxterns (POM)
2. F(A, B, C) , A (BH + BC) + B. B (PAND) = A (BH + BC) + B idemposent law (AH : A) = AHB + ABC + B idemposent (aw (AH : A)) K-Nap B	1	0	(0	ī	
((0 () () () () () () () () (1	0	((0	
2. $F(A, B, C)$; $A(BA + BC) + \overline{B}$. \overline{B} (VAND) = $A(BA + BC) + \overline{B}$ idempotent for $(AA : A)$ = $AB + ABC + \overline{B}$ (dempotent for $(AA : A)$) ** ** ** ** ** ** ** ** **	_ [l	0	0	ι	
2. $F(A,B,C)$; $A(BA+BC)+\overline{B}.\overline{B}$ (parp) = $A(BA+BC)+\overline{B}$ idemposent (aw (AA:A) = $ABC+\overline{B}$ (demposent (aw (AH:A)) ** ** ** ** ** ** ** ** **	(0	(1	
Buar ADD, DOT, CR Gates A (BH + BC) + B Sop = H + B' Benjun influence and continuence and c	1-1-1	(_		0	1	
$= A (BH + BC) + \overline{B} \qquad idemposent aw (AA : A BB + ABC + + $		1-	-1.	1	[-F	
bentun internetar.	({[<u> </u>	β 'o 1		AHB + ABC + B distribution (200) E AB + ABC + B (dempotent (200 (AH = A))
•	Buar A ————————————————————————————————————	Auo T	, por	, cr	G, a	Do to

icelas : C (B.C'+C.C) A (NOB Gates) b. F(A, B, C) + C.B Idempotent law (AA > H) (B.C + C) A + CB Distribution law ABC +AC +CB K-Map => Bust menjadi K-maps pos Maka bentuk Pos nya C. (A+B) Bust AND, NOT, OR Gates Bentuk PCA implement E Prime wb/ cauti Essential Prime Implic ants B,C, . A'B' BC · BC A'B' . Ac' A'C AB AC.

Dame: A prome Restan Moment

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