Assignment

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ROLL #: 44

TEACHER: Miss Maleeha Anwar

TOPIC: K – Map

SECTION: SEC A (Evening)

PROGRAM: BSSE

Date:
I CALL HE POUR CONTRACT TO THE POUR CONTRACT OF THE
Simplify the following expressions using K-map.
1) F(ABC)-ABC + BC + ABC + ABC
F(ABC) - ABC + BC + ABC + ABC
Chulen expression is 3 variable expression,
2"-23-8
BC BC BC BC
A III
F- BC + A-(BC+BC) + ABC 73-(AMARA) A
- BC + AB(C+Z) + ABC
F=BC+AB+ABC
2) F(ABC)-ABC+ABC+ABC+ABC+ABC+ABALABAALABAALABAALA
Jun doga + doga +
T(ABC) = ABC + ABC + ABC
Glum expression is 3 variable expression
$2^n = 2^3 = 8$
A BC BC BC
A I I
$F - B\overline{C} + A \cdot (BC + B\overline{C})$
= BC + A.B(C+Z)
F=BC+AB

AX.	
Date:	-

	Quie:
2)	F(ABCD) = ABCD + ABCD + ABCD + ABCD + ABCD
(
Galus .	F(ABCD) ABCD+ABCD+ABCD+ABCD+ABCDATO
	Cours expression is y variable expression
	2"=2"= 16
	26 CD CD CD CD
	ARIT
	AB III
	AB II II II B
	AB III
	F-(BB+AB)·CD + ABCD + ABCD + ABCD
	F-B(A+A)CD+ABCD+ABCD+ABCD
	F-BCD+ ABCD+ABCD +ABCD
4)	F(ABCD)- ABCD + ABCD + ABCD + ABCD + ABCD
1	+ ABCD + ABCD
(Jul	F(ABCD) - ABCD + ABCD + ABCD + ABCD + ABCD
3/	+ABCD +ABCD
	Cium expression is y variable expression,
	24-24-16
	20 ¢0 c0 c0
	AB II
	AB IIII
	AB I IIII
	AB [T]

	F- (AB+AB)(CD+CD)+ (AB+AB)-CD+AB(CD+CD)+ABCD +ABCD
	F= B(Ā+Ā)D(Ē+C) + A(B+Ā)·CD + AB·C (D+Ā)+ĀBĒĀ F= BD + BCD + ABC + ĀBĒĀ + A·BĒĀ
5)	F(ABCD) = 2m (4,5,6,7,8,9,10,11,12,13,14,15)
Just	F(ABCD)- Zm(4, 5,6,7,8,9,10,11,12,13,14,15)
	Chum, broblem 18 4 variable problem, 2"-2"-16 AB AB THE TIME TO THE TIME T
	$F = B(\overline{A} + \overline{A}) + A(B + \overline{B})$ $F = B + A$ $[F - A + B]$