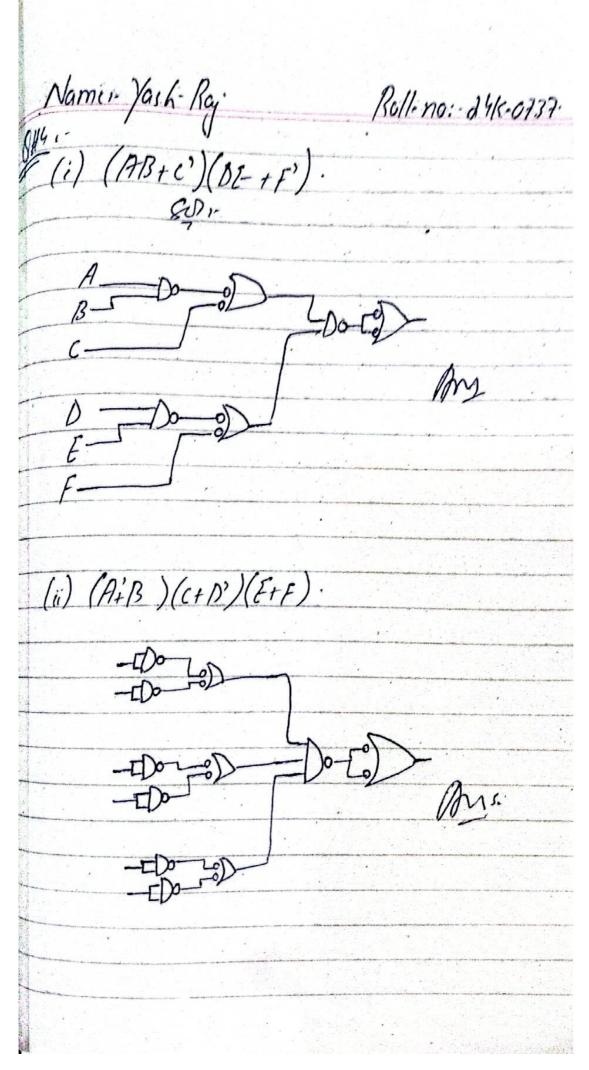
Roll-no: 24k-0737 Dushion #1: (B+i)A+(C+D)B+BD AB + AC + BC+ DB + BD. AB + AC + BC + B(D+D) AB + AC + BC +B AB+ AC+ B(C+1) AB+B+ AL . B(A+1) + AC 5 B+ AC An

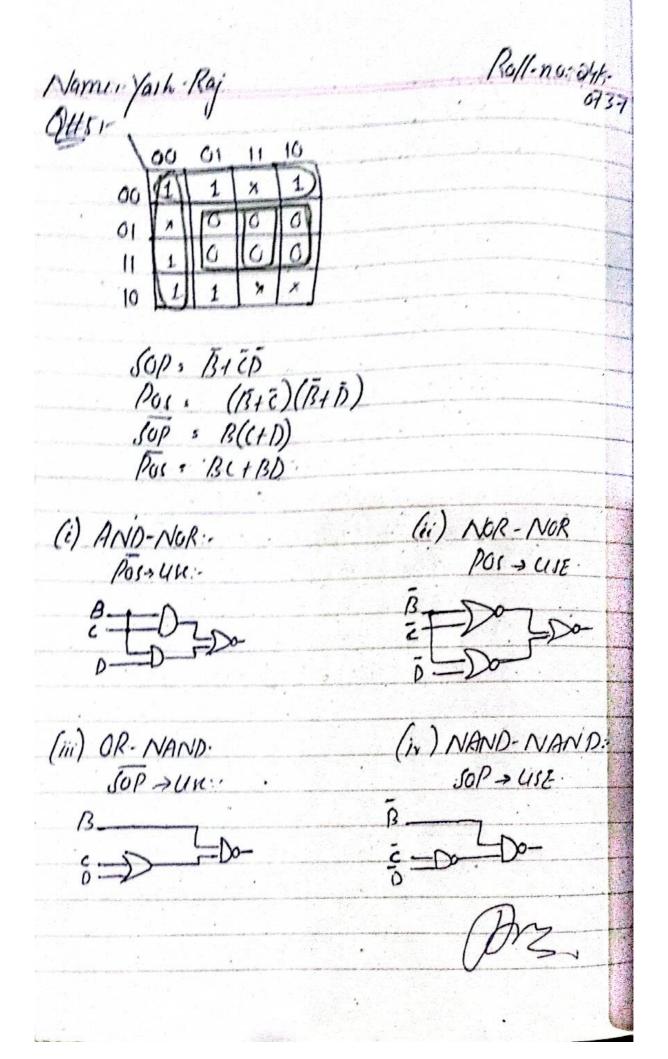
Name: Yash-Raj (iii) (x+x)z + (xx)z Roll-no: 24k-0737 XZ + YZ + XXZ - PM (B·c)(A·B) + [(B·c) + B(B·c) f. (BC)(A+B) + [BC & B(BC) BC (BC (BC) + (BC)B(B)

ABC + EBC (BCBC) + (B+C)BJ ABC + [BC(B(I+C)) + BB+BC] ABC + BC + BC ABC + B(C+C) ABC+B. B(AHI) & B Dos.

Hamer- Yash-Ray Roll-no: 24k-0737 ABC + ABC + ABC + ABC + ABC Sols ABC + ABC + ABC + ABC + ABC A+A)BC + A(B1C) + (A+B+C) + ABC BC+AB+ AC+ A+B+C+ABC. A+B+C+AB+BC+AC(1+B) s A+B+C+AB+BC+AC A(1+B) + B(1+c) + C(1+A) · A+B+C · AIBHC

Namer-Yash-Ray Rolling: 24k-073
SH3: Draw Grewh using NAND & NER
gates only: Rolling: 24K-0737 (i) A'B+ AB' 801. (A'(A+B)) = A+B A.B. A.B A'B' + AB.





Mamer Yach-Raj Roll-no: drk.03

246: Combinational Circuit with 3 inputs &
One output = 1 Roll-no :- dyk-0737 Output 0 0 Is A'(B'ti) A'(B+1')

Names Vach Pai	Roll-No: 24K-0737.
Name: Yash-Raj QH7: Using a X-map con	vert the SOP Enpression
	(5) (10,000)
(A +B+C+D)(A+B+C+D)(A+B+C)	FD) (AFISFLED)
(1100) (01:00) (000)	). (0011)
(A +B+C+D)(A+B+C+D)(A+B+C+D) (1 100) (0 1:00) (000) (A+B+C+D) (A+B+C+D)	•
(1001) (0010)	
CD.	
AB (DOO 01, 11	10
00 100	0
01 0 11 11	1)
10 (1) (0) 1	i
Δ	
(1) Minimum Pos enpression:-	
0100 0001 00	
1100 1001 000	
B'CD BCD' ABC	
(2 - )/-! ) /	
= (A+B+C)(B+C+D)(B+C+D)	) (m.

Standard	- Lupius	10n:-		
0000	0111	1011		
1000	1111	1010	-	-
0101	- 0110	*		
1101	1110			
				-
=) A'B'C'D	+ AB'C'D' +	A'BCD +	ARCA + AR	cn
ABCD	+ A'BCD'	+ ABCD'	AR'CD+AI	Ril
			. 0	m.
		and W	. /	
(iii) Minimy	nd Sop En	Drewiew:		
0				
0000	1/11	0111/	0101	
1.000	10107	9110	0191	
B'C'D'	1919	6111	7161	
	1916	1119	5171	
	AC	BC	BD.	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
=> B'c'D	+ AC +BC	+30 10	My	
		<i>"" 1</i> "		
, , , , , , , , , , , , , , , , , , , ,				
		a transfer de la companya de la comp		
		Annual Control of the	Committee of the Commit	

Namy Sub-Rai	Roll-no:- 24k-022
OHS: Un Kamayh	Roll-no:- 24k-0737 map to find minimum enpression:
pus det for leach	enpression.
	1/2.5.1)
(a) (A+B+C)(Ā+B+C	)(H+13+C)
80h	
(1) 0 1/1/10	i)(01/1/1)
(A+B+c)(A+B+ (0 00)(1 11)	(010)
(0.00)(1.17)	
AB C	
00 0	
010	
11 0	
/o L	
200 ///	
000 (11) 010 ABC	
AC	
3	
z) minimized POS:- (At	
(At	c)(A+B+c) (my

Jomes-Yarki Ray Roll-no: 24k-0737.

(X+X)(X+Z)(X+X+Z)(X+X+Z).

Sep. (x+\varphi+\varphi)(\va (n+y+z)(x+y+z)(x+y+z)(x+y+z). (010)(011)(100)(110) AB 00 0 010 minimized POS:
(A'tC)(B'tC)(A+B') Pro

or

(x+z)(x+z)(x+x) Pro

(x+z)(x+z)(x+x)

Roll-no: - 24k-0737 Namur Yash-Raj 9#9. Conveil the given for enpression into Sof using a Samaugh map: (a) (A+B) (A+C) (A+B+C) (A+B)(A+E) (A+B+C) (A+B+c)(A+B+c)(A+B+c)(A+B+c)(A+B+c) (A+B+c) (A+B+c) (A+B+c) (A+B+c) 10)(011)(001)(110) AB 01 100 101 =) minimized SOP:- A'B'& + AC + AB'

(A+B)(A+B+c)(B+c+D)(A+B+C+D) (A+B)(A+B+c)(B+c+D)(A+B+C+D) (A+B)(A+B+c)(B+c+D)(A+B+C+D) (A+B+C·C+D·D)(A+B+C+D·D)(A·A+B+C+D) (A+B+C+D) (A+B+C+D) (A+B+C+D) (A+B+C+D) (A+B+C+D) (A+B+C+D) (A+B+C+D) (A+B+C+D). 10 01 11 10 00,00/ 0000 0001 0100 1101 1100 1100 0001 1001 AC'D BCD 0011 0111 0110 0111 A'BC AC'D + ABC + BC'D' + A'C'D' + A'B'C' + ABC'D Minimized SOP: + A'CD + A'BC Pary

DID Anignment #2: 1410: Simplify the following boolean function of together with clon't care conditions d; then express in minimum sof & Pos. (i) f(A,B,C,D) = £(0,6,8,13,14); d(2,4,10) SOI -=) Uning K-map:-00 01 11 10

Odoo 1101 1000 0910  O 00 ABCD ABCD' 9910  A'C'D' 9510  Minimized SOP:  A'C'D' + ABC'D + AB'C'D' + CO'   Ofor Pos:  O100 1001 0001 0011  A'BC A'BD 0001 6111  A'D' C'D'  Minimized Pos:  (A'+B+C)(A'+B+D)(A+D')(C'+D') Pros.	or SOP :-			pro-
0/00 ABCD ABCD' 5910  A'C'D' 1/10	odgo	1/01	1000	7000
A'C'D'  Minimized SoP:  A'C'D' + ABC'D + AB'C'D' + CO'   for Pos:  9100 1091 0091 0911  1100 1091 0091 0911  A'BC A'BD 0101 111  A'D' C'D'   minimized Pos:		ABCD	The second secon	6.1
(p 10   CD'   CD	A'C'D'		14.	41.
minimized sop:  A'c'D' + ABC'D + AB'c'D' + CD'  for Pos:  6100 1001 0001 0011  1100 1011 0011 0111  A'BC A'BD 0101 1011  A'BC A'BD 0101 1011  A'BC O'B' C'B'  minimized Pos:				11
minimized sof:  A'c'D' + ABC'D + AB'C'D' + CD'  for Pos:  6100 1001 0001 0011  A'BC A'BD 0001 1011  A'D' C'D'  minimized Pos:			( )	(N'
Jer Pos:-  6100 1001 0001 0011  1100 1011 0011 0111  A'BC A'BD 0101 1411  0771 1011  A' D' C'D'  minimized Pos:-	minimized	SOP:		- GO
Jer Pos:-  6100 1001 0001 0011  1100 1011 0011 0111  A'BC A'BD 0101 1411  0771 1011  A' D' C'D'  minimized Pos:-	A'C	'D' + ABC'D	+ AB'C'A' + C	01
9/00 [00] 0001 0011  1/100 [0] 0001 0011  1/3C 1/3D 0101 111  0711 1011  1/3 D' C'D'  minimized Pos:				
9/00 [00] 0001 0011  1/100 [0] 0001 0011  1/3C 1/3D 0101 111  0711 1011  1/3 D' C'D'  minimized Pos:		****		
9/00 [00] 0001 0011  1/100 [0] 0001 0011  1/3C 1/3D 0101 111  0711 1011  1/3 D' C'D'  minimized Pos:	) for Pos:			
100 1011 0011 0111  A'BC A'BD 0101 1111  ONI 1011  A'D' C'D'  minimized Pos:	6100	1001	0001	mil
A'BC A'BD 0191 411. 0791 4011 A'D' C'D'  minimized Pos:				
OPPI 1611 A'D' C'D'  minimized Pos:  (A'+B+C)(A'+B+D)(A+D')(C'+D')  Am.	ABC		The second of the second	KII.
A' D' C'D'  minimized Pos:  (A'+B+c)(A'+B+D)(A+D')(C'+D') Am.			1990	1011
minimized POS: (A'+B+C)(A'+B+D)(A+D')(C'+D') Pm.	•		A D'	C'D'
(A'+B+c)(A'+B+D)(A+D')(C'+D') Pm.				
(A'+B+c)(A'+B+D)(A+D')(C'+D') Pm.	minimized	Por:		Page 1
(A'+B+c)(A'+B+D)(A+D')(C'+D') (Am).	0			0
	(A'+B+C)(A'+	B+D)(A+D)	)(C'+O') /	dr.
		and the second s		

Name Yash Roy Rolling: 04.0737
(ii) F(A.B.C.D) & E(1,3,5,7,9,15); cl(A.B.C.D) & E(1,6,5)

20.

-) Using K-map: 10 1101 =) minimized SOP:- A'B + A'D + C'D + ABD

for Pos:		
0000	0610 1011	-
0100	0010 1011 0)10 A'BCB'	
1400	1	
1000	1510	-0.
CD	1010	
CD	CD:	
) minima in al De		
=) minimized po	11:00 (C.D) (C.D)	
· · · · · · · · · · · · · · · · · · ·	01:- ('+0')(C+0)(C'+0) By.	,
		-
tion of the second		
Andrew Comment of the		-
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