Final Paper DLD

Abdul Rehman

CS-D

191-1135

(a) Q-1

de lanux

Lo s	1	
I, -	TOD	
I =	C	
Li.	D	

1	13	2×4 Inut =
0	0	$I_{\theta}$

In D. latch as control is

one "1" value with be

fuluted by at "C" it will

remain unchanged.

let output of 4x1 mux be x,

let output of 2x4 dender be

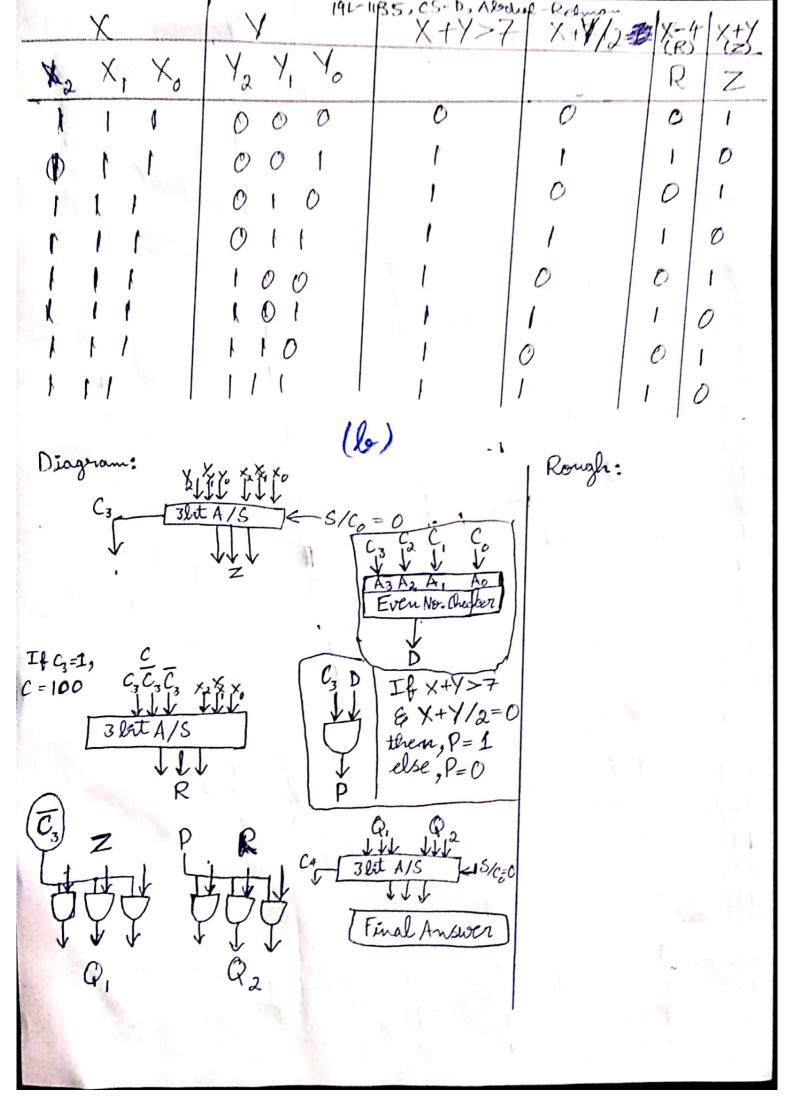
Vo. V., V., D., D., o

	4	1	16.00						1
A	13	C	D	COD	1	1/,	Do	D,	De
(1)	0	0	0	1	I = 1	The Real Property lies and the last of the	0	1	0
p* )	(A)	()	1 1	0	I=1	0	0	1	0
(1)	10		0)	0	I,=1	0	0	1	0
0	0	'			Io=!		0		0
0	0	1	1				V	1.	0
0	1 .	0	0	,	I,=1	0	0	. 1	U
	21		J						

0,	D= Do+D1	Control = D2. D3	30	F(A, B, C, D)
6	1 4	1		
0	P		77	
0				
0			r	1
0				

	G	2-2	9L-1135 CS-Poul-Reh	MADA
000000	Y, Y <sub>0</sub> X <sub>1</sub> 0 0 0	(a) Y>7 X1Y/21 1	10 X-4 R O O	X1Y 2 1 1
0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0			

X. Y	191-1135,CS-1 X+Y>7	7, Aldul-Rohman X+4/2= X-4/X+Y
X2 X, X0 Y2 Y, Y0		
01.1 0000	0	0 0 1
0 1 1 0 0 1	0	1 0 1
011 011	0	
0 1 1 1 0 0 1	0	
011   10	7	
011   111	<i>i</i>	0 0 1
100 000	0 /	
100 010	0	0 0 1
100 0 11	0	0 0 1
100   101	1	
100   110	1   0	0 1
101 000 1	1 0	
101 010 0	()	0 1
101 011 0	Ó	
101 # 00	0	
101 100	10/	1 0
101   111   101	1 /	0 1
110 000 0	/ 1 / a	0/1
110 001	0	10/11
110 000	0	
110 000	0	0 0
110 110 1		0   1
110   111	0 /	011



Q-3

			Q,			
	Flow	(Kg) 1	(a) [ Milk (Ltr.) [	Sugar (Kg)	Sweet	Super Fr
	Fi	Fo	M	5	SW	SF
*	90	0	X	×	0	0
6	0	1	0	×	X	×
7	0	1	1	0	0	0
A	0	1	/-		-	0
1	1	0	0	X	X	X
T. A.		0			0	1
			V	X	0	0
1	1   1		1 ~		U	1
	11 Fe	SW, K	map	-		
	(le) 10	F.F. MS	MS MS M.	4		2
		FF. 00 0	0 0 0	SW=FF	S+ F	F. S
		F. FOOI X	1 X 1 1110	SW = (F	FF+F	E)S
		F. E. 10 X'		SW- (1	10 T	
		F, F 10 X'	X 10"	SW = (F	19/9/	,
	For ST	F, Krual	2			
		MCI -				
	Fi	FOO O	MS MS MS		ē	
	F	F00 0	X 0 0	SF=F,Fo		
			0 0 0			
	F	For IX	X O II			
		1	1			

## (C) Circuit Diagram:

$$SF. = F_1 F_0 S_{\bullet \bullet}$$
  
 $SW = (F_0 \Theta F_0)S$   
 $SW = (F_1 \Theta F_0)S$ 

