

ANSWER BOOKLET

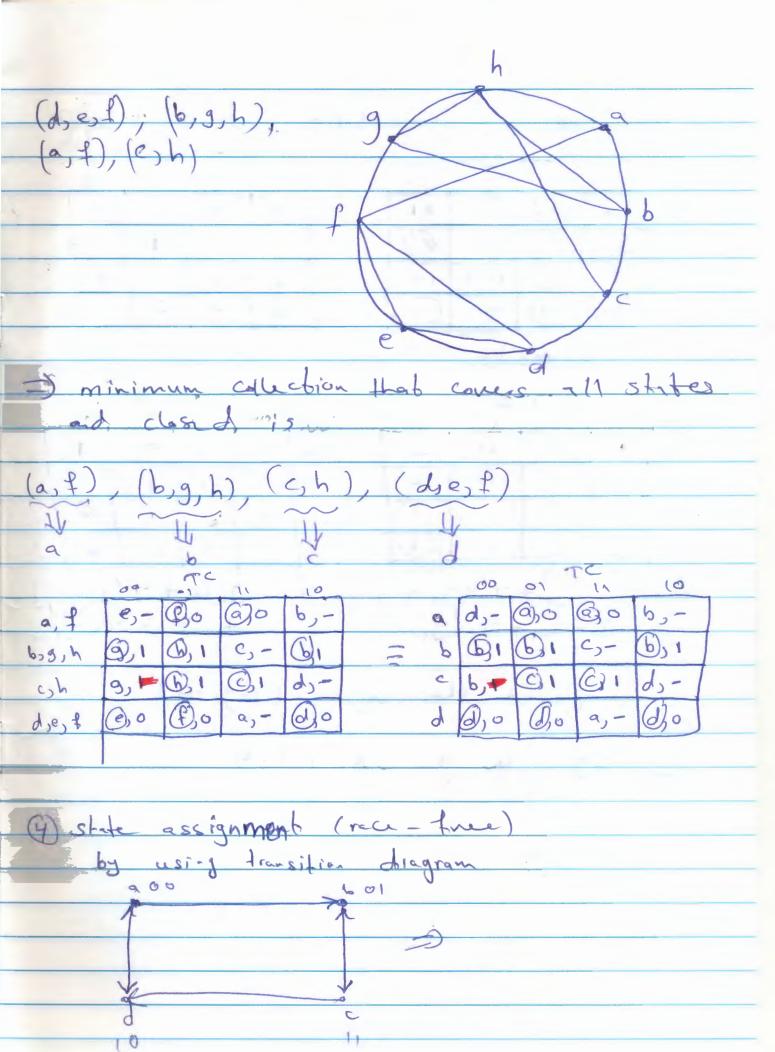
Student	Advanc	Number	
Course:		Number:	
Date:	Day	Month	Year

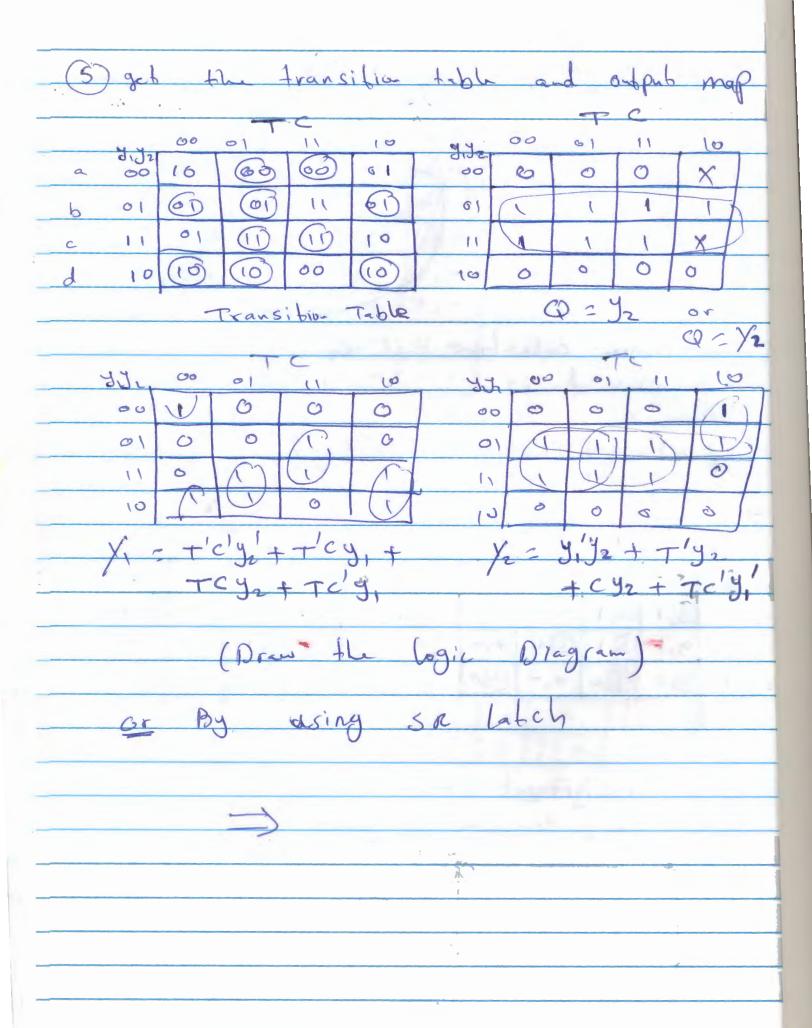
For Instructor's Use

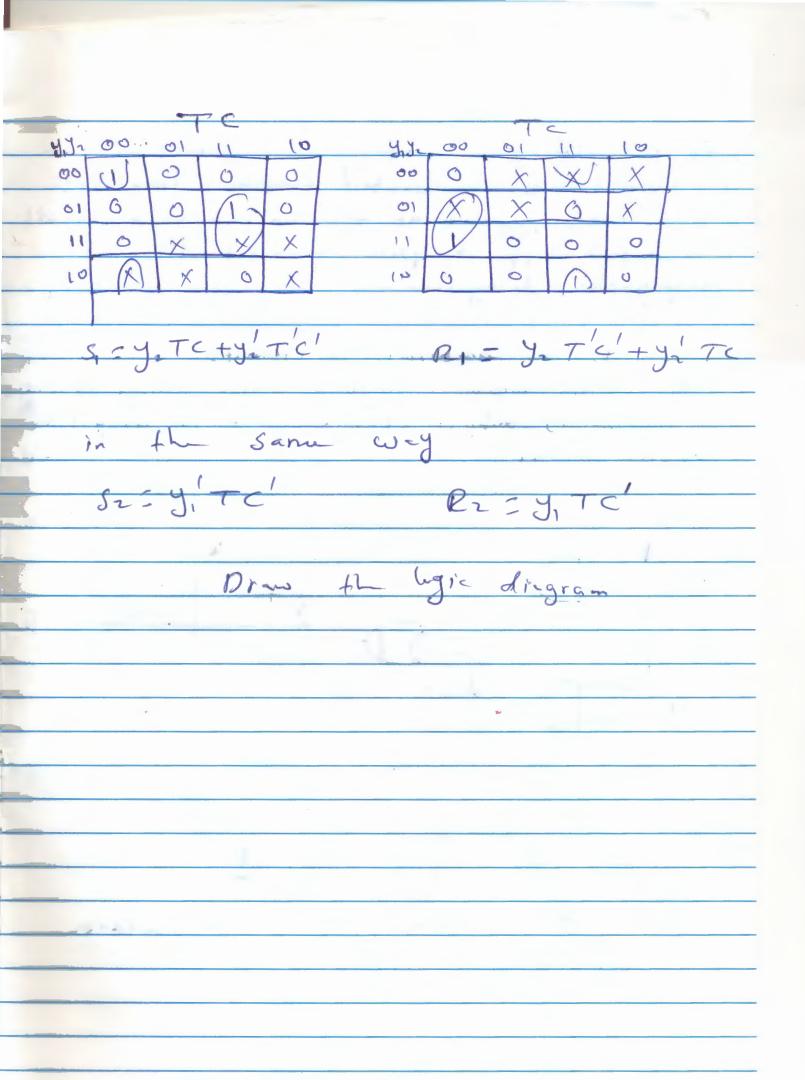
of Histractor's Osc							
Question	Grade						
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
Total							

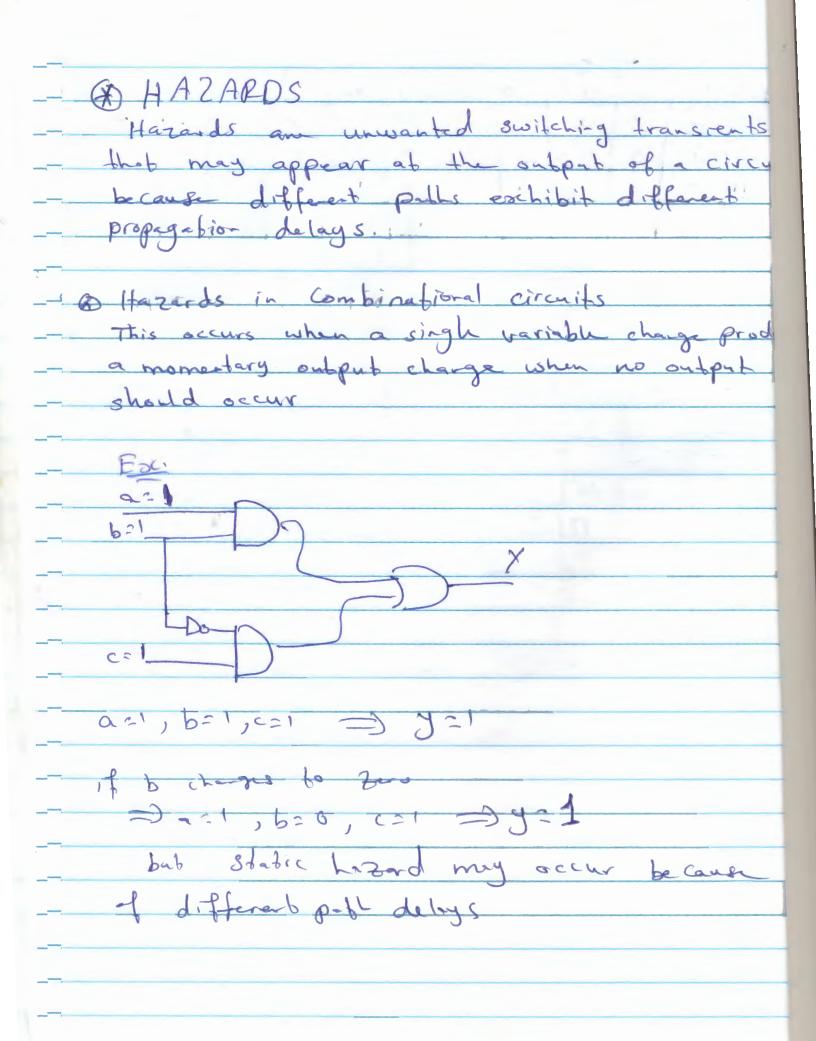
Example
Design a negative Fdge T-FF
Solution
Design specification:
State This circuit has 2 inputs (clk and T)
and one output Q. The following are "the possible
total ofetes
T all of slabte??
0 0 0 yes
000 1 45
o o o yes
To o il yes
100 95
- 1 · 0 1 yes
1 jes
2 gt the primitive flow table
State Inputs Gulgub Comments
a 1 0 after dorf
o la efera or of
the offer born
de 100 after core
e o o of dorf
foron offere or a
60 1 after bach
STUDENTS-HUB.com Uploaded By: Malak Dar Obaic

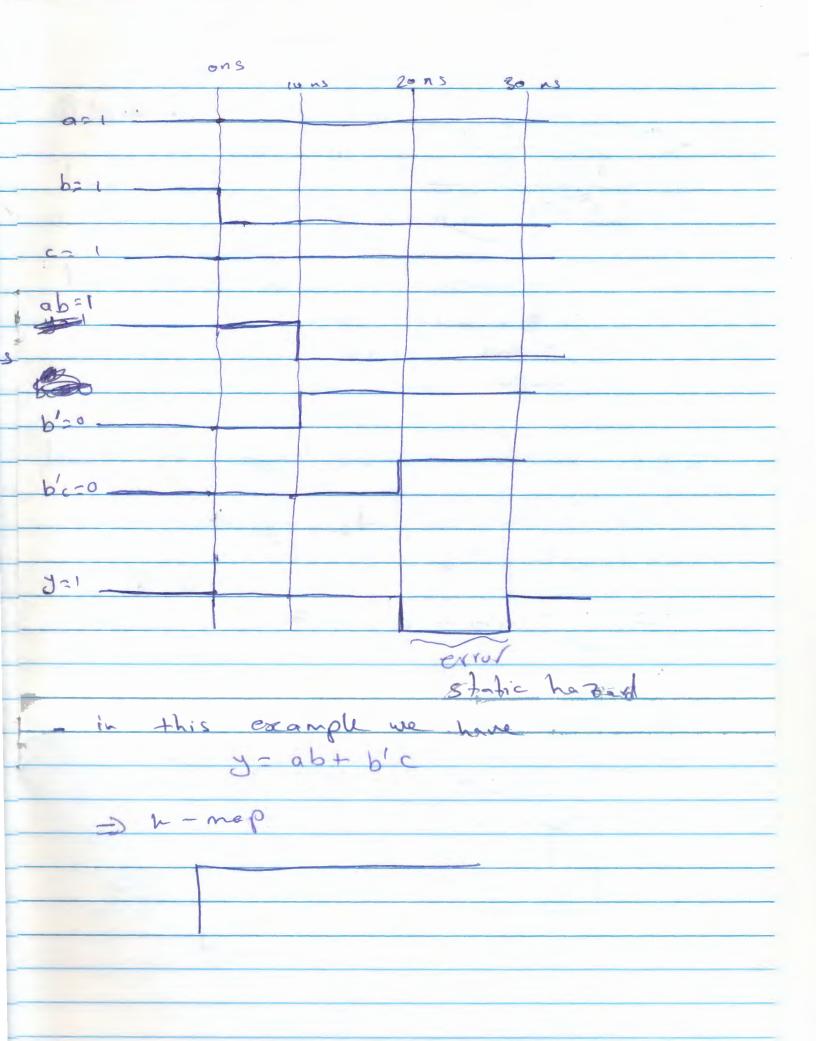
	→	Primit	ive the	t wa	able			
٠.		. ලාල	01 70	- (1	10			
	0	-1-	F 80 - 1	(01)0	b,-	-		
	6	9,-	-,-	C)-	B1			
	C	-5-	h, -	(C) 1	d,-			
	C	1 es-	-3-	9,-	00			
	•	@0	f3-	-3 -	d , -			
	ç	e >-	(B)0	۹,-	-,-			
	a	(G) 1	h,-	-,-	b,-			
		h 9	(B) 1	c,-	-,-			
			1			J		
6			1)	n bar	of	stat	es by	merging
3	the	row		W Bar		Oice		
	-							*
	6	asc x						
	c	X	b, dx	7			OI.	
	d	bodx	X	a,c	X			
	e	6, dx	e,g X	foh	X	/		
	F	V	513 X	ajc	X			
	9	f3 h X	V	bid.	x es	g x	X	1 e 19 x 1
	7	ish x	V	V	0 70	ê X	X Big	X
		a	Ь	C		d	P	f g
	A S	ampal	ible p	GIES				0
	C	6)	(b) 9	1/2	h) (= 1)	1110	-),(d, f), (e
		y h)	(10) 9) (6)	1)	/n/	1019	1,(4)1),(8)
	(3) 		1				
	- 2	1	mel Lor	- Li	bles	4.2	ma .	n V ded
	The state of the s						- 1 M	- 1 /5
		ingran		40.	00-5	us		0

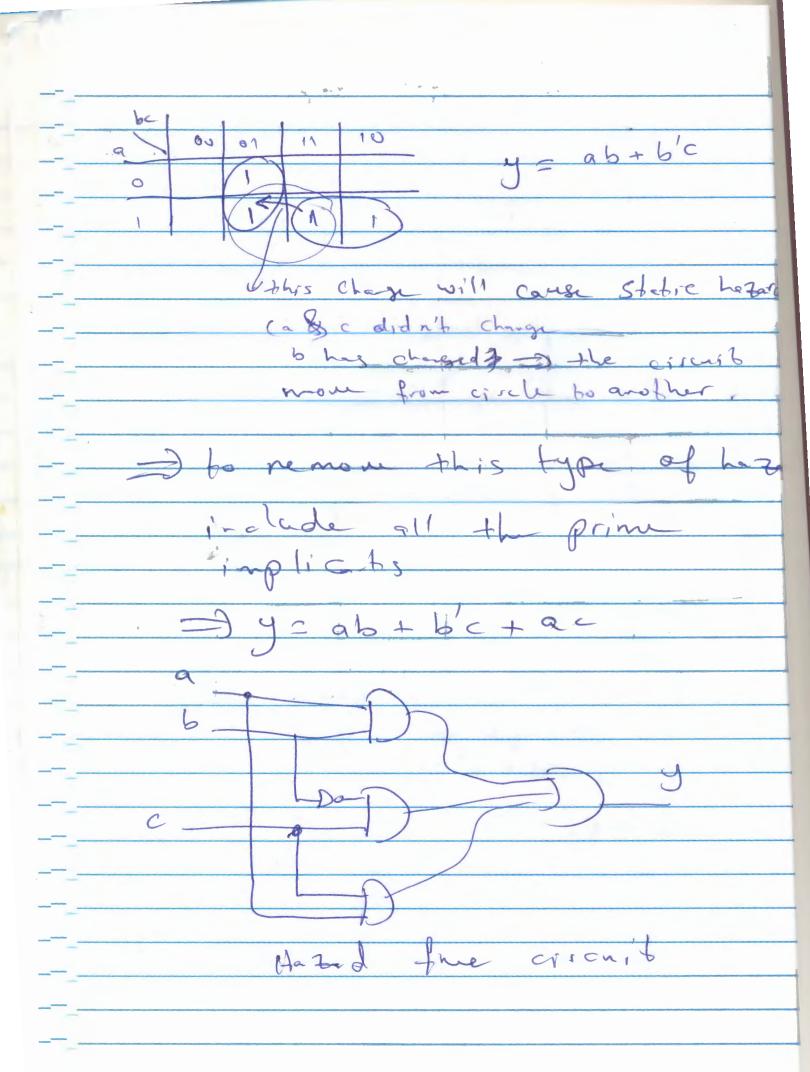


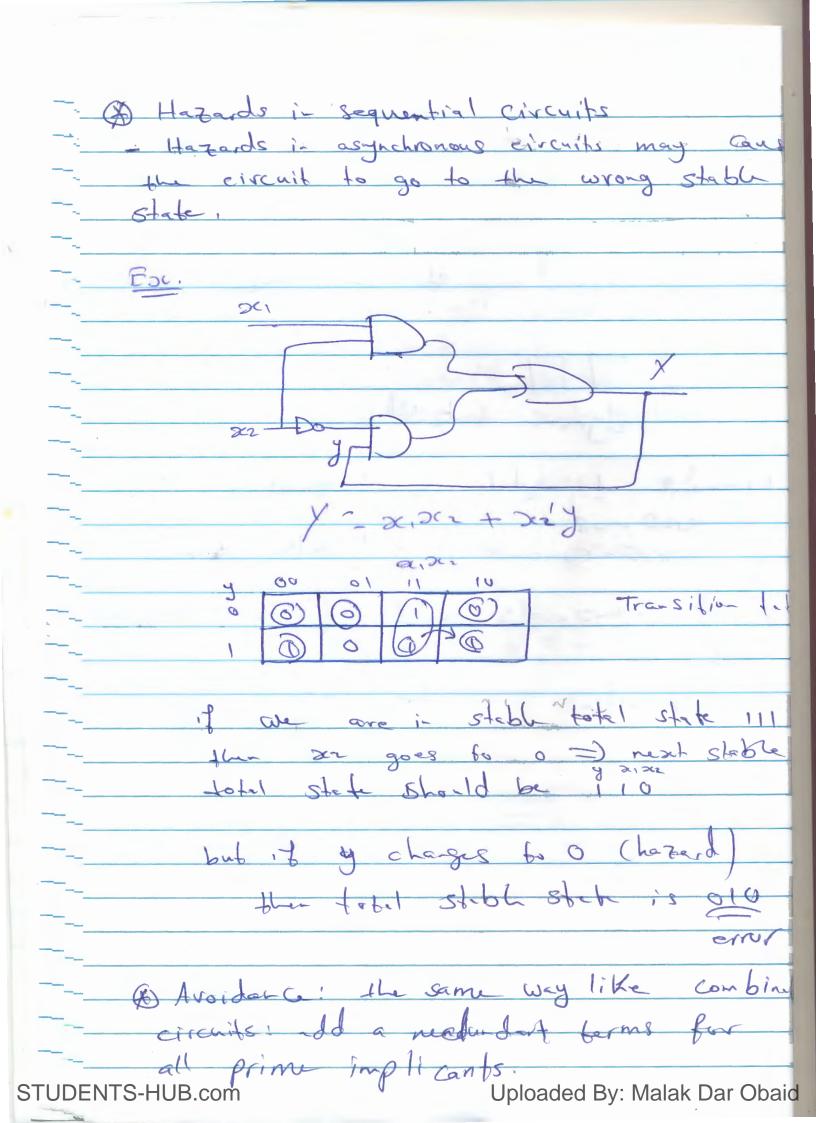












@ Implementation with SOR latch carcuits with SR latches a note about implementation with SK latel -sa with 2 nor gates y = 5' + Ry Excellato Jabla S)(1) O(1+1) S bhis is fer from this excitation table and Spand = Smar = (AB+CD)

