i colim	
Chapter 380 Gate level minimization	9
dégibel pres est gabeur Mos à minimizaleans	
the second secon	2
The complexity of digital logic gates is directly proportional to the bodean expression from which the function is implemented.	
proportional to the bodean expression work	
which the function is implemented.	
det complexity del gales in cioses consider ils las am	
9001	
F = X + X y - (1) equipment	
= (X+X'). (X+y) = X+y=0	
= CA+A J Collies	complex
(a ormas) Emil (algebra) sufaita em	
we need to find the simplest boolean expres	son
to describe the function.	
Minimize the function using algebra is anakawair	
appropriate Chacks of speaking rules to one di	ich
the next step).	
	Commence of the second

So we need	another i	vay for mi	nimization	(/
- Lud	11 X 1/16			
Map Method Straight	(Minimiza	thion).	- 40 100 m	Married or all the second seco
Straight	forward app	boach Coly siz	الكالم يقويد الكا	أن وق
		X / N'X	98	الطرح
- Iruth tab	e is unique	before Min	imization	
and after	minimizatio	M.		
	2000	11110	162	
· Karrugh r	nap (K-m	ap)	11/	*
_ Diagram	made of	squares e	each sque	ne)
hepresch	ved one m	interm 1		- love
1	HAY MINGS			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 variable				
2 yariabi	$es \Rightarrow 2^{2} m$	unlerms 🔿	4 minher	ns
	1 squares.	5, 6, 8	many ried 1	thins I
F(X/Y) & X'Y'	/ Xly	XY XY		no al restal
What is a little with the same of the same	3 (MI)	1003		
9		TA .	7	1402
M3g MI	mo, m	1, 3 (one 3)	جيرات (بخطفو	- 1
KUI KU	m, r	n alle	12/ (g) /X	-
M2 1 M3	M ₂	مغاك الله	1/X	1000
	V Xm T	MEN SOLL	(xxx) =	
	. m.	$m \rightarrow cilus$	oca s	
		1		

















































