P	I completed this assignment entirely on my own, except Ethan wong for discussions with Diaminku CSMSIA
	Assignment = 44
1.	Half-Subtractor X' X X' X
	X Y C DIFF. Y' O O Y' O (1)
	0000100100
1 Compared to 1	0 1 1 Carry Difference
	1 0 0 1 SOP C = X'OY SOP D = (X.Y') 4(X'.Y)
	1 1 0 0 Pos C=(X')·(Y) Pos D=(X+Y)·(X'+Y')
	Carr
	Difference
200	The state of the s
	Full-Subtractor
	X 7 C; Co D; FF X 00 01 11
-	
	Jol. D (X · Y · C, ) · (X · Y · C)
	1 0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	1 1 0 0 0 (x'+y'+c)
	x 1C; 00 01 11 10
	0 0 1 1 10 Carry
	10010
	Sop: (X'.c) + (X'.y) + (y.c)
	18 Pos: (y+c) · (x'+y) · (x'+c)
	( ) ( ) ( ) ( ) ( )
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