	- US May	
and the second		
	Circuit Diagram	
	B3 A3 B2 A2 B1 A1 B0 A0	
	7	
	FA CO	Bert
	1 1 1	\$ 7 1
	Carry 83 S2 S1 So	
	a bits Ripple Carry Adder	
51 S	Each full Adder IC consists of one full Adder cucu	et
7		

i	1				1
	Case 1				-
	A0=1	A1 = 1	A 2=0	A3=1	
	Bo = 1	B1= 1	B2 = 0	B <sub>3</sub> =1	
	So = 0	8=1	S2=1	§3 = 0	
n oxylat materia.	C° =1	C=1	C2=0	C3=1	
and attention to	a deligration of the second of				
	Case 2				
	A0=1	A1=0	Az=1	A3 = 1	
	Bo=1	B = 0	B2= 1	B3=1	
	Go-0	S <sub>1</sub> =1	S2=0	S3=0	
	Co=1	( <b>1</b> =0	C2= 1	(3=1'	
***					

American activities of the control o			
Case 3			
A0= 0	A1 = 1	A2=1	A3 = 1
Bo=1	B1=1	B2=1	B3 = 1
S=1	$S_1 = 0$	G2=1	S3 = 1
(° = 0	C=1	C2 = 1	9=1
- Application			