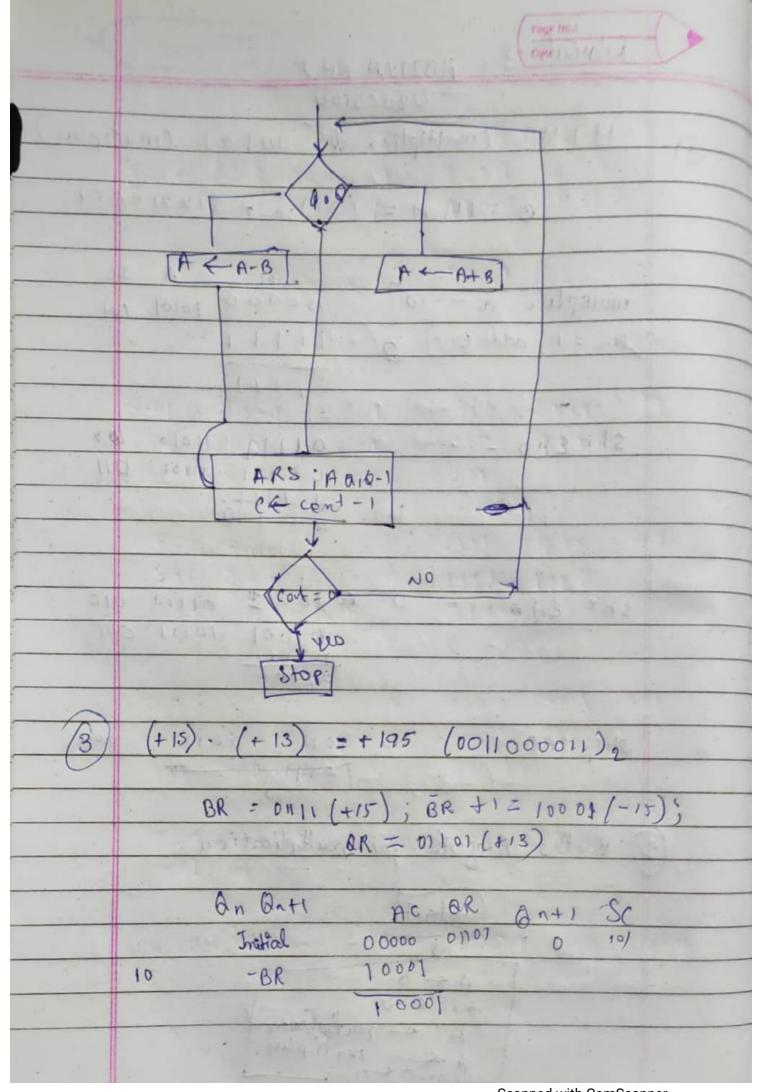
Tutorial -3. ADITYA RAJ U2003100 11111 (multiplicand, 10101 (mutiplie) B = 111 11 = (31)10 , 31x21=651 multiplus a --- 0 00000 10101 101 an = 1; add 8 -- 8 - 11111 Shr EAR - - .. 01111 11010 100 00 111 11101 011 shr EAD --- 0 60 1001 2 01110 -010 D1001 10111 001 1010 001011 000 Shr EAB Booth's Alegoritm for multiplication



11011 0 011. sshr 00011 104 -BR 10001 110100 0110) 1 610 a shr. - 11010 01 ashr - 11101. 00110 , 00/ + an a shr - 00110 avort 0001100 . 000 + 125 show content of regisfer, 2000s c 0 10100011 by 1011, 10100011 1110+ 1001 - 14+1 B = 1011 B+1=0101 DVP = O

The second	E	A	a	30
Bividend in Aa-		to 1 (00))	100
	1	aro	0 011	0
B+1 supprers	Carry -	010.	hala a	11
	11 4 1		No bear	
	1211	The Control	3125	
-	bay 1	1001		711
E=1, Bn=1			0111.	
Sh2 . EAB			July 0 -	
13+1,5 Carry -		0 1 0)		
		5111	[] 1)	010
E=1, Qn, 1	. a	441	1710	
		9111	- 1110	
B+1, carry fo	2		on Miles	133
	-			
2=1	1111	0100	1111	001
Shi	. 0	1001	1410	
Bt1 carry to E -	:	010	1	
		. 312	4. ± 6.	
2=0,Qn=0	0		1110	
add 8		101		
remainder	- 1	100	0(11 (000
700000			1	- 75