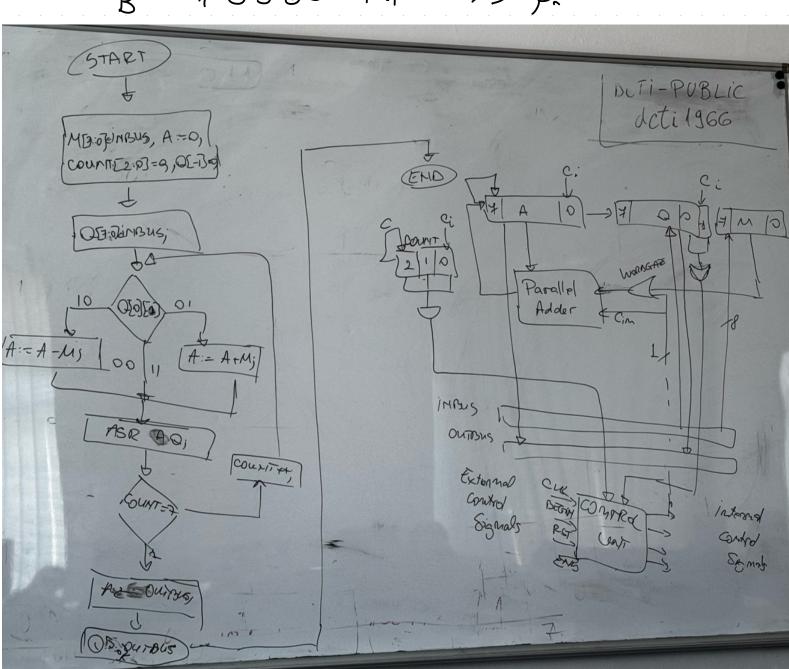
Lab 2

Booth Rodry 2 - 8 bit C2

Bry 4 0, 1, 7 4 BRy 4 2, 7, 0, 7, 2 4

Xc2: 1000 0001 = -127

XB = 70000017 ->3 9p.



$$x = -109$$
 $x_{c_2} = 10010010$
 $y = -55$
 $y_{c_2} = 1001001$
 $-109 = -128 + 19$
 $16+2+1$
 $y_{c_2} = 100110111$
 $y_{c_3} = 100110111$

CNT	A		Q-1	
000	0000 0000 +0011 0111	1901 0011	70	1100 1 001
	0911 011 1	11001001	1	
001	00001101	1 1 1 00 1 0 0	1 + 1	
	11010110			
	11101011	0 1 1 1 0 0 1 2		
011	+00110111		00	
	00101100	510110	1	
101				
	1101111	10101110	0	
7 11	0 1 1 1 1 9 1 1 1	1 1 01 0 1 1 1	0	
111	10011 0111			
	00101110	01101011	71	-SEMS

Te ma
-117
-99

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$$X = -117$$
 $Y = -99$
 $X.7 = 11583$

$$-117 = -128 + 11 = -128 + 8 + 2 + 1$$

$$-99 = -128 + 29 = -128 + 16 + 8 + 4 + 1$$

$$Y_{C_2} = 10001011$$

$$Y_{C_2} = 1001101$$

$$-Y_{C_2} = 1100011$$

CNT			2[-1]			
000	000000000000000000000000000000000000000	1 900 10 11	2	10011101		
	+91150011					
	011000011					
	0011 0001	1 1 000 1 0 1				
			17			
991 		11100010	1 — tm			
010	+1001 11 9 1					
	10110101					
		11119001	0			
	· 11011 · 0 · 1 · 0	1 1 1 9 0 0 1	- 15			
011	4011000011					
	00111101					
	00011110	11111900	1			
100	+100111101		- 70			
	101111					
	11011101	11111100	0			
101	11101110	1111110	0			
110	11110111	0111111	0 / 1			
411	+91100011					
	0 10 1 1 0 1 0					
	00101101	0011 1111	1			
	2 + 2 + 2 + 2 +	32+16+15 = 11	583			
				J		