1) whom S, S., Cin is

(111)2, (110)2, (101)2, (100)2, (011)2,

(001), and (000). What is the autput of Cout D3 D2D, D0 respectively? Assuming that A3 A2 A, A0 is (1100), B3B2B, B0 is

				. /2	•								Out	put_		
+	73 A.	, A,	A.	B3	, B ₂	B,	B.	Cin	2'	<i>S</i> ₀	2 2 2 D D D	Court	\mathcal{D}^3	D_2	D'	D.
	, ,	0	0	0	ι	0	(ı	. (1	1//////////////////////////////////////	1,	ı	1	0	0
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	-			,				•		-	1/9/4 8/	1 1	0	0	0	1

	Full	Adole	-	
×	Y	Cin	Cout	D
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0	0	1	0	1
0	1	0	0	1
0	1	,		٥
t	0	0	0	1
ı	0	1	1	٥
1		0	1	0
ı	I	l	1	1

to figure out the full adder on the circuit.

Due: 10/16/2016@11:59

(2) Given the following 8 logic microoperations, please complete the functions of the remaining 8 logic microoperations.

Assuming that A and B are 1-bit registers.

	Re sult Boolean			ion	Microoperation	Function
	1 0			,	F = A & B	X HOR
	1 0	I	0		F = B A A B	Transfer B
	1 = 1	0	٥		F - A	transfer A'
	1 1	1	٥		F ← B ∩ A F ← A ∧ B	CHAH O
	1 1	l	1		F ← 1	Load
_						