	Jalen Pa Elec 22	owell 200		09/23	2/202\
1	X0 X1 X2		1 y 1 y 2 y 3 y 4 y 5 y 5 y 5 y 5 y 5 y 5 y 5 y 5 y 5		2
2. x ₂ ,x ₁ ,x ₀		X 0	y, y ₂ y ₃ y ₄ y ₄ y ₅ 0 1 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	pin 2 (·y2)=0 → (x1, x0)=(0,0)	,(1,0),(1,1)	

5. Us yz y, yo x, o x, o x, o 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.	43 42 4, 0	Ao Xo X	
2 6 (1 0 0 1 0 b.) input = 1000 0 1 0 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 0 1 1 0 0 1 1 0 0 1 0 0 1 0			0	
2 6 (1 0 0 1 0 b.) input = 1000 0 1 0 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 0 1 1 0 0 1 1 0 0 1 0 0 1 0	0	0 0 0 {	1 0 0	a.) input = 0101
2 6 (1 0 0 1 0 b.) input = 1000 0 1 0 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0	1		0 1	output = 2 (10)
3 1 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 0 0			1	
3 1 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 0 0	2) 0	(b.) input = 1000
3 1 0 0 0 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0		1		autput = 3 (11)
3 1 0 0 0 6u+put = 3 (11) 1 0 1 6 d.) Input = 0100 1 0 1 1 0 0 1 1 0 1 1 1 0 1 1 1 1 1 4. You X1				(1)
0 0 1	3 ((1) Input = 2 (1)
1				output - J (11)
1 1 0 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1				d.) Inout = 0100
1 1 0 0 1 1 1 1 0 1 1 1 1 0 1 1 1 1 1 1		1 0 1		output = 2 (10)
6. Xo Yo Yo Yo Yo X Yo		1 100		The state of the s
6. Xo Yo Yo Yo Yo X Yo	- 190%	1 1 0 1		
X0		1 1 1 0		
X0		1 1	1 1	
X0	1			
x ₁	0.		9 1	X,Xo
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3				
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