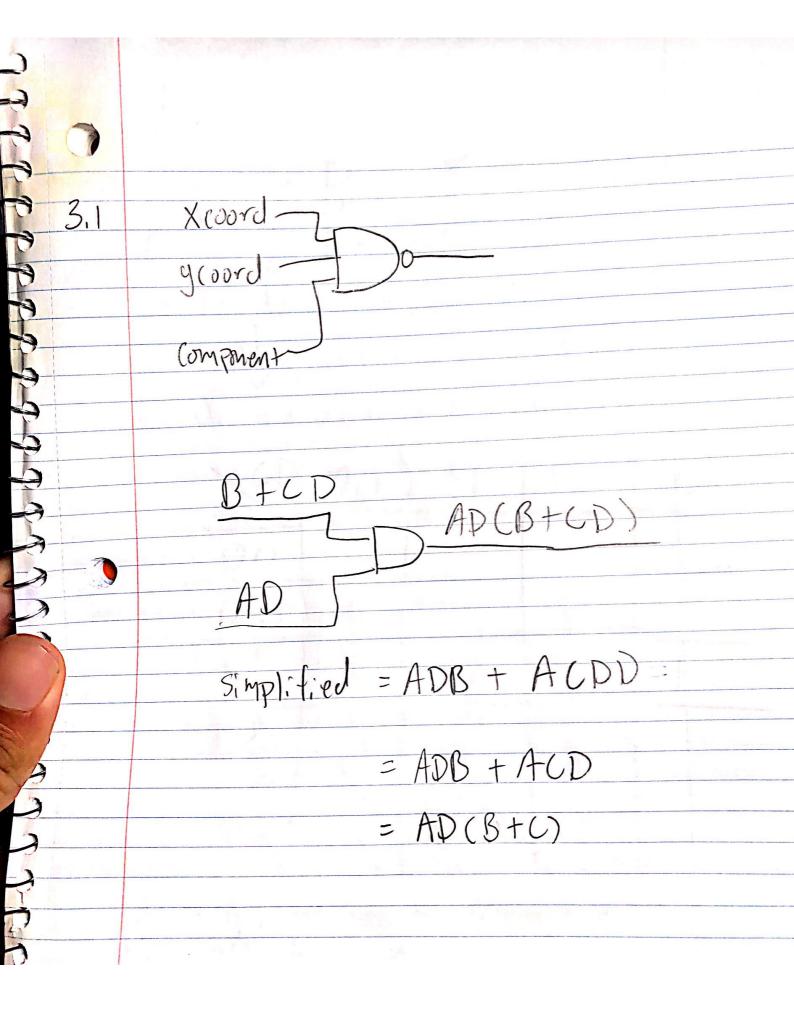
Final Mittset 100000 microsec 4000000 bits/sec 10MHz = f What is duty Cycle 1.2 > T= 10 MS Duty cycle = (20ns) 100% - (.002) 100 Duty cycle = , 2%

1.3 ADC 19498 O.V to 2.5 volts Digitizes analog voltages into 86.7 There are 255 #3 we can represent with 8 bits There we break up the range by the amount of binary numbers we can represent it with 255 = 10098 Therefore the ADC can detect a voltage change of , 00982.01 volts 100/10 = (10/45) 100/20 = 101/ Haty cycle = . D %

2 12	
6019	we need 5 bits to represent every letter in the alphabet
	every letter in the alphabet
	25-1=3]
	0 1 - 5
t	(Chippenson by
2.16	D - 100
	A -
	N - 1110
	I - 1001
1	
	1100
1,11	A.A.)
2.7	only 2 bits are necessary with hexa decimal numbers
	with hexa decimal numbers
	Simplified the state of the sta
A party many	
I have	N - E
West.	
	F - 2



X= A+CD+ACD+ABCD Convert S.O.P. to 5-5.0.P. A(B+B)(C+C)(D+D)+CD(A+A)(B+B) + ACD(B+B)+ ABCD (AB+AB)(CD+CD+CD+CD)+. CD (AB+AB+AB+AB)+ABCD + ABCD + ABCD

ABCD + ABCD + ABCD + ABCD TABOD + ABOD + ABOD + ABOD + AOCD + ABCD + ABCD + ABCD + ADCD + ABCD + ABCD X=ABCD+ABCD+ABCD+ABCD + ABCD X= A+CD+ ARCD

3

