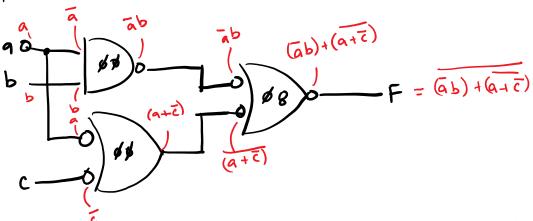
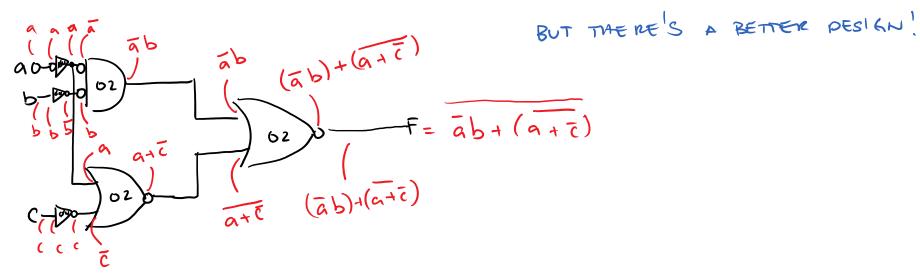
Tuesday, September 13, 2016 3:24 PM

FIND THE EQUATION:



ASSUMPTIONS: A IS ACTIVE LOW B, C, F ARE ACTIVE HIGH

REDESIGN THE CIRCUIT USING ONLY 02'S \$ 84'S, TEST YOUR CIRCUIT



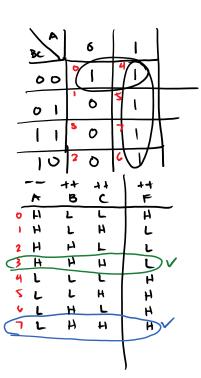
CMPE 124 Practice Page 1

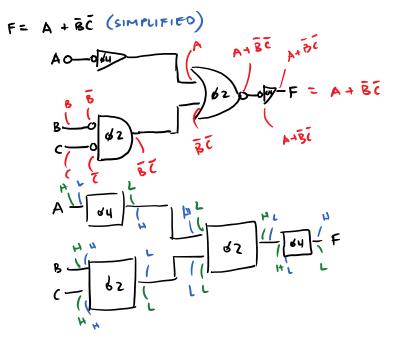
Thursday, September 15, 2016

5:21 PM

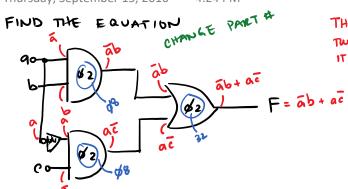
marsaay, september 13, 201				
	۴	В	C	F
6	6	v	6	1
1	0	0	1	6
2	0	1	Ó	6
3	0	1	ı	6
4	ı	0	ь	١
3	1	6	٠	ı
ç	1	1	0	t
7	١	١	1	1

F= (ab) + (a+ c)
= (ab) 1 a· c
= āb + āc
= ab· ac
= (a + 5)(a + c)
$= a + a\overline{c} + a\overline{b} + \overline{b}\overline{c}$
= a(b+b)(e+c)+ ac(b+b)+ ab(c+c)+ bc(a+a)
= (ab + ab)(c+c)+ abc + abc + abc + abc + abc
= abc + abc
= abc + abc + abc + abc (CANONICA FORM)

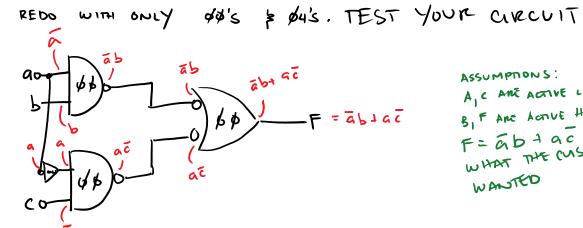




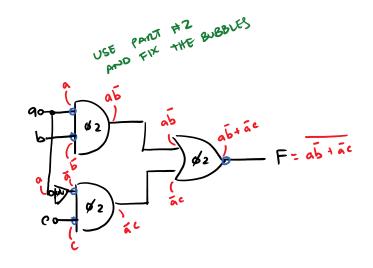
Thursday, September 15, 2016 4:24 PM



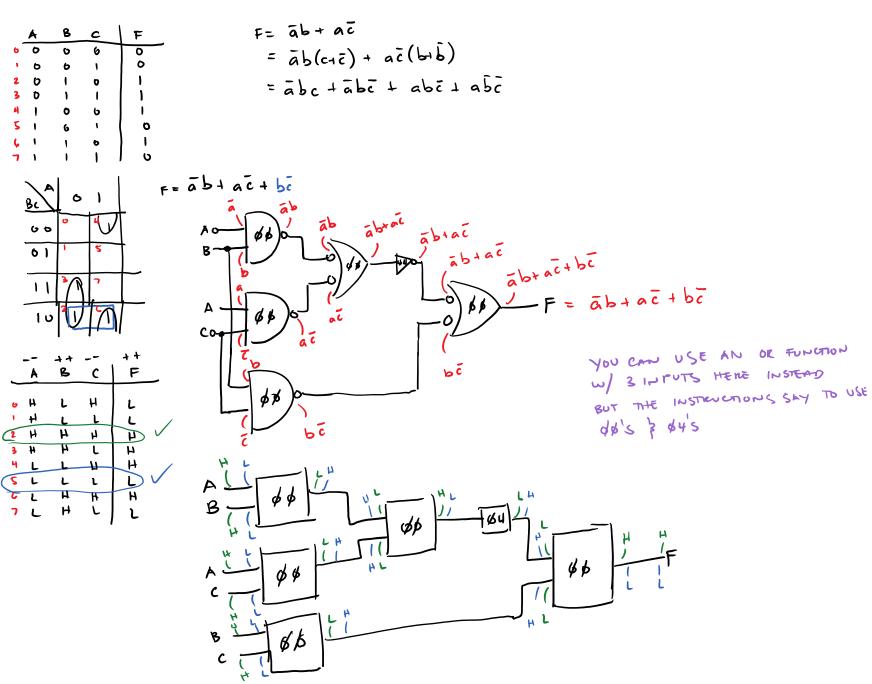
THIS CIRCUIT HAS ERRORS AND THERE TWO WAYS TO "FIX" IT. HOW YOU FIX IT DEPENDS ON THE "WSTOMER!"



ASSUMPTIONS: A C ANT ACTIVE LOW B, F Ame Acrive HIGH F=ab+ac 15 WHAT THE CUSTOMER WANTED



Friday, September 16, 2016 11:55 AM



Thursday, September 15, 2016

4:55 PM

