

EECE 144
Fall 2011

Lab Report #3
Section 4
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Submitted by:

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Date

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1 Description/Objectives

2 Procedure

(Equations 1)

$$ac + a'b + ab'c' \quad (1)$$

$ac + a'b + ab'c'$			
a	b	c	z (out)
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

Figure 1: Truth table of outputs for the function $ac + a'b + ab'c'$.

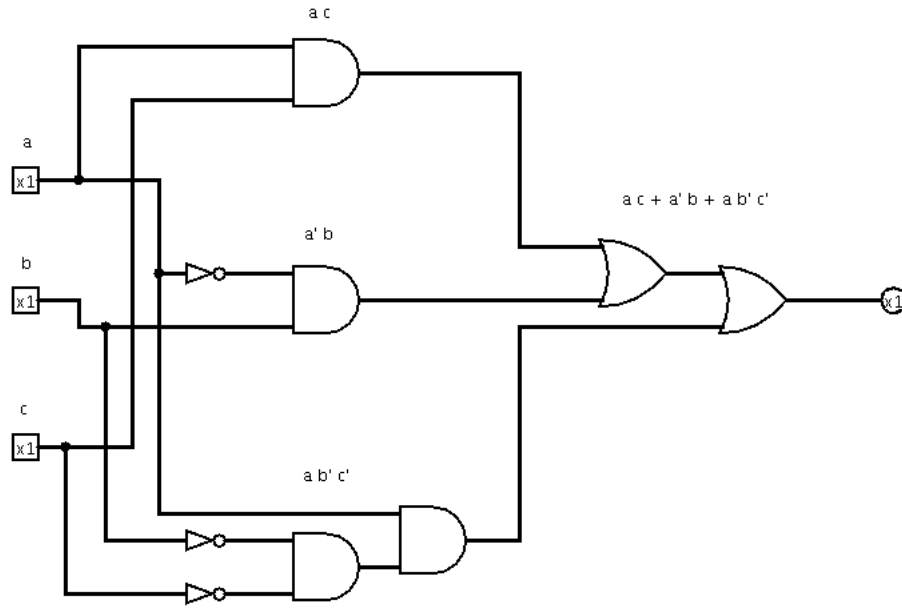


Figure 2: Logic circuit $ac + a'b + ab'c'$ defined in Logisim.

3 Observations

4 Conclusion

5 References

- [1] Logisim, “Logisim, a graphical tool for designing and simulating logic circuits.” <http://ozark.hendrix.edu/~burch/logisim/>, 2011.