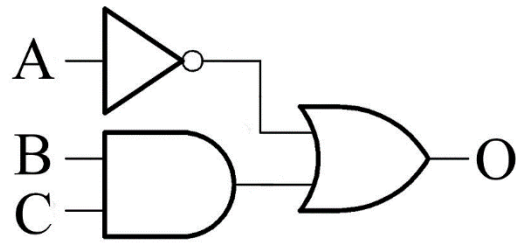


Taylor Cowley
220 Lab 00 Introduction
April 28 2016

1. Make a new document
2. Use it as a scratch pad
3. See the picture? What is the logic equation?

$$O = A' + (B * C)$$



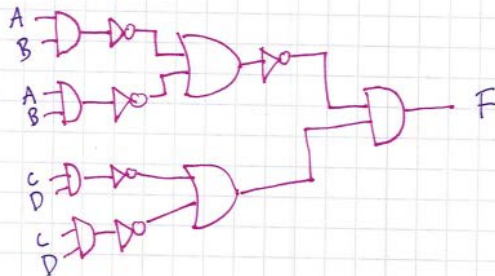
4. Put the image in the lab report
5. Make a truth table with 3 inputs
6. Copy the following equation on a piece of paper
7. $F = ((AB)' + (AB)')' \cdot ((CD)' + (CD)')$
8. Now draw the circuit
9. Now simplify the circuit and draw that
10. Now scan the image
11. Now insert the scanned image into the document
12. Save often
13. Submit the lab document on Learning Suite as a PDF

A	B	C	O
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

$$F = ((AB)' + (AB)')' \cdot ((CD)' + (CD)')$$

↖ no not here

unsimplified:



simplified

$$((AB)')' \cdot ((CD)')' = AB \cdot (CD)'$$

