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Project:

CIS021-HW Lab2

Date:

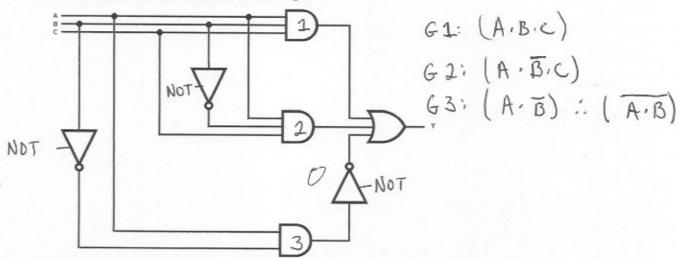
January 31st, 2019 CIS021-Homework 2

Module: Purpose:

Convert a logic diagram to an output expression.

Create truth tables.
Minimize a circuit

## 1. Examine the following circuit diagram:



## 2. Write the output formula for the diagram:

## 3. Write the truth table for the formula produced in Step 2:

11	A	1 B	C
0	0	To	0
0	0	0	1
1	0	1	D
1	0	1	1
0	1	0	0
1)	i	D	2
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## 4. Reduce the circuit and write the new formula: