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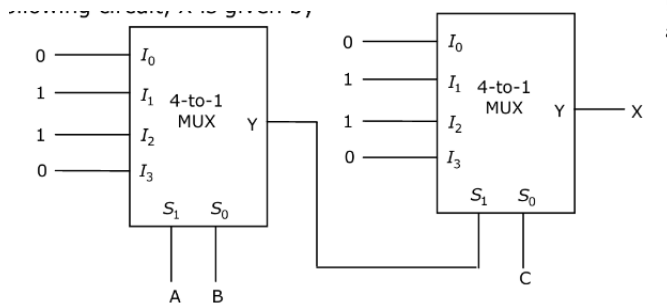
Roll No.: FWC22094

ASSIGNMENT-1

Assembly

0.1 Question-2007 Q43

In the following circuit,X is given by



0.4 Hardware

The inputs are given in the code itself. Based on the truth table, check for each value. Observe the in-built led on the arduino board will turn ON or OFF

0.5 Solution

Expression: $AB'C' + A'BC' + A'B'C + ABC$
Truth Table

A	0	0	0	0	1	1	1	1
B	0	0	1	1	0	0	1	1
C	0	1	0	1	0	1	0	1
X	0	1	1	0	1	0	0	1

0.2 Contents

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Abstract- This manual shows the output **X**, for the given input **A, B, C**

0.3 Components

Component	Value	Quantity
Arduino	UNO	1
USB		1

1. Go to the working directory and execute avra filename.asm and avrdude -p atmega328 -c arduino -p /dev/ttyAMC0 -b 115200 -U flash:w:filename.hex to upload.
2. Whenever you change the inputs you will see the respective output.

[Click to get code link](#)