avr-gcc Assignment

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***Abstract*— state any one Absorpion law of boolean algebra and verify it using truth table**

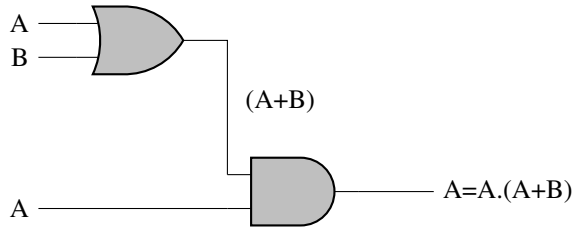
CONTENTS

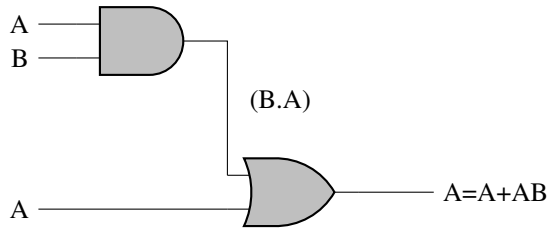
I. COMPONENTS

Component	*Value*	*Count*
Arduino	UNO	1

II. ABSORPTION LAW

Absorptive Law – This law allows for the reduction of a difficult statement to a simpler one by absorbing phrases that are similar in structure. A + (A.B) = (A.1) + (A.B) = A(1 + B) = A (OR Absorption Law) A(A + B) = (A + 0) A(A + B) = A + (0.B) = A (AND Absorption Law) A(A + B) =A





Truth Table

$$A + A.B = A$$

A	B	$A.B$	$(A + A.B)$
0	0	0	0
0	1	0	0
1	0	0	1
1	1	1	1

$$A.(A + B) = A$$

A	B	$A + B$	$A.(A + B)$
0	0	0	0
0	1	1	0
1	0	1	1
1	1	1	1

III. PROCEDURE:

1) First make the 2,3,4,5 pins as output pins.
2)Write the given logic in code and upload in to the arduino.
5)The out put will be displayed in display either 1 or 0 corresponds to truth table.

1) svn co https://github.com/Ngavvala/fwc
2) cd ide_assignment
3) pio run
4) pio run -t upload