LAB TASKS

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LAB TASK # 01

Implement the following Basic Logic AND logic – OR Logic and Inverter Circuit on logic trainer

LAB TAKS# 02

Implement the following logic circuit on logic trainer, and write truth table in the space provided below:

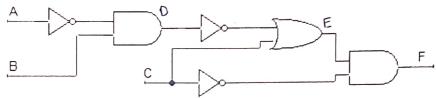


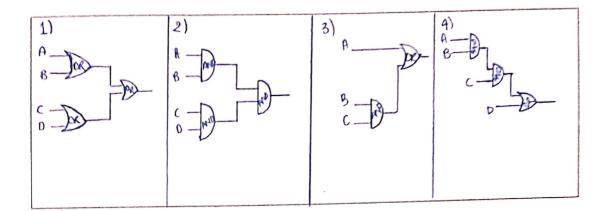
Figure 1: Combinational Circuit

A	В	С	Ā	D	D	E	C	F
00 00	00 1 1	0 1 0 1 0 1 0 1	1 1 0 0 0 0	00110000	1100111	1 0 1 1 1 1	101010	0-0-000

LAB TASK#3

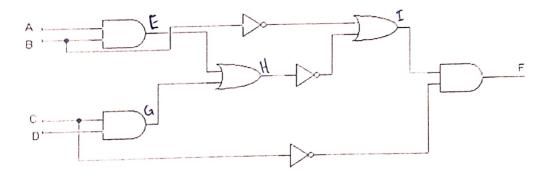
Draw the logic circuit represented by each of the following expression:

- 1. A+B+C+D
- 2. ABCD
- 3. A+BC
- 4. ABC+D



Exercise # 04

Implement the following logic circuit on logic trainer, and write truth table in the space provided below:



A	В	C	D	E	G	H	B	7	H	I	F
A DO O O O O O O O O O O O O O O O O O O	100000000	000000	0-0-0-0-0-0-0-	000000000000000	000-000-000-	000-000-000	00000000	000000	000000	00000	0000000