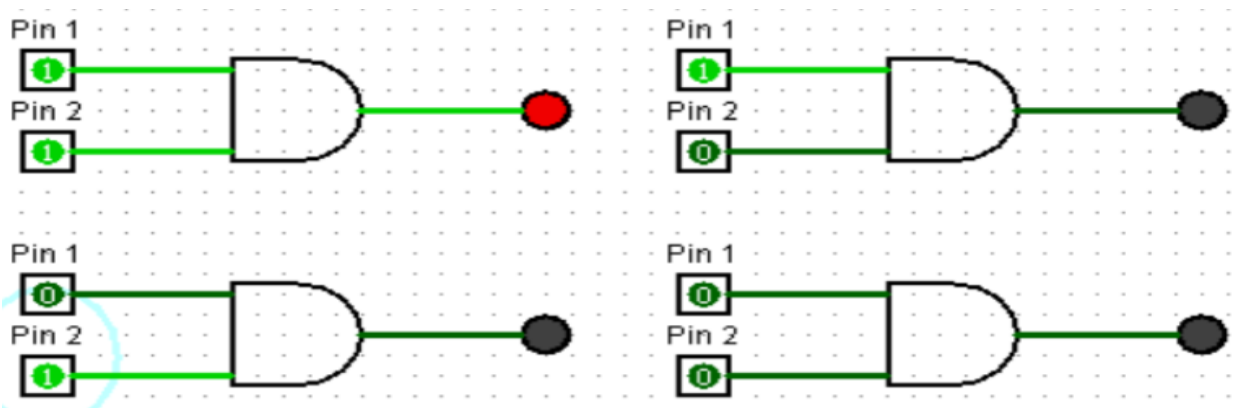


**Week 1/lab01 - Computer Systems Assignment (COS-1004).**

**Student:** NGUYEN QUANG ANH (Dave Nguyen).

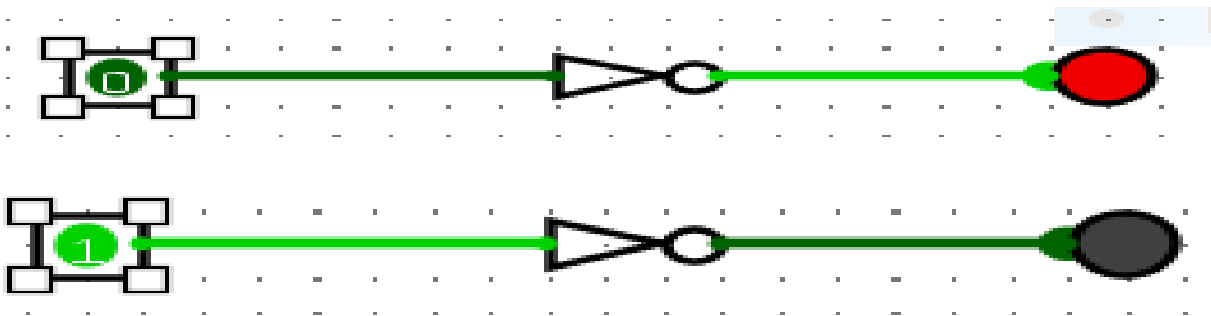
**ID:** 104697710.

Q5: Simple circuit (2 pins, 1 AND gate and 1 LED).



Pin 1	Pin 2	Output
1	1	1
1	0	0
0	1	0
0	0	0

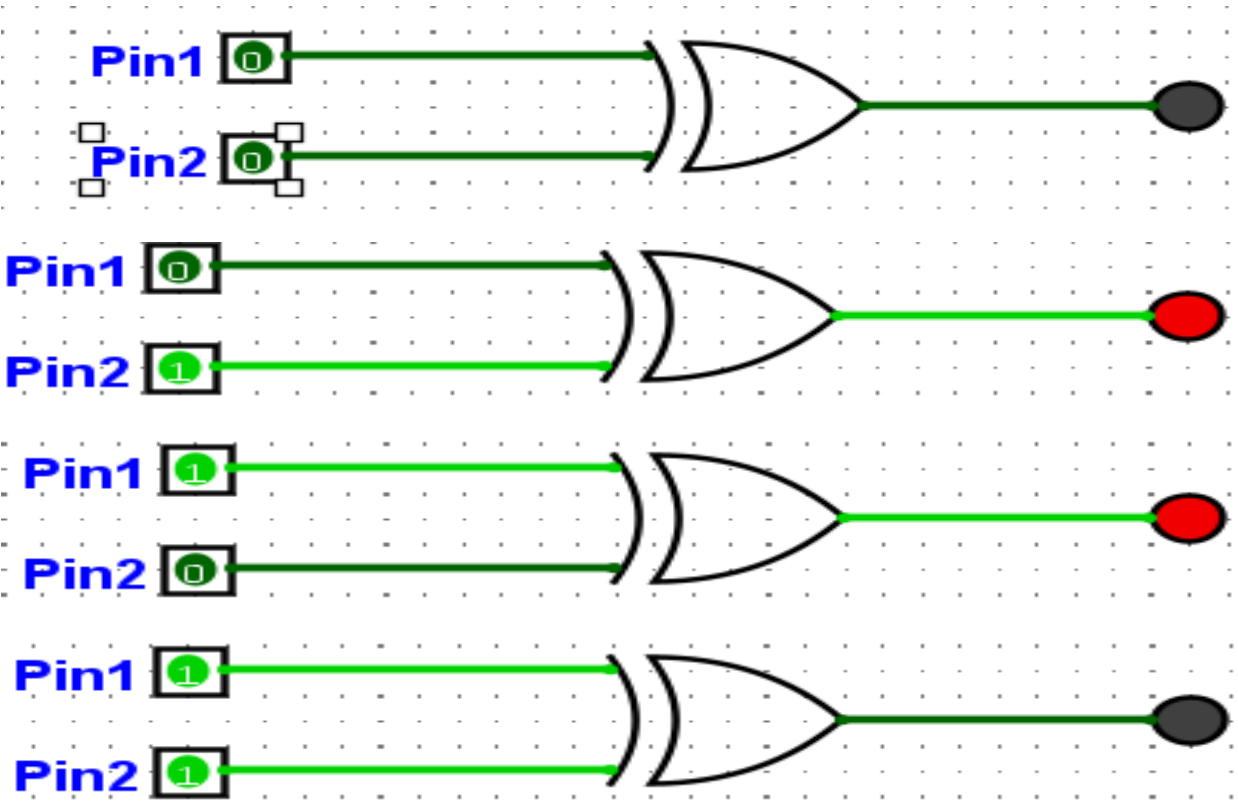
Q8: Simple circuit (1 Pin, 1 NOT gate, 1 LED).



Pin	Output
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0	1
1	0

Q10: Simple circuit (2 Pins, 1 XOR gate, 1 LED)



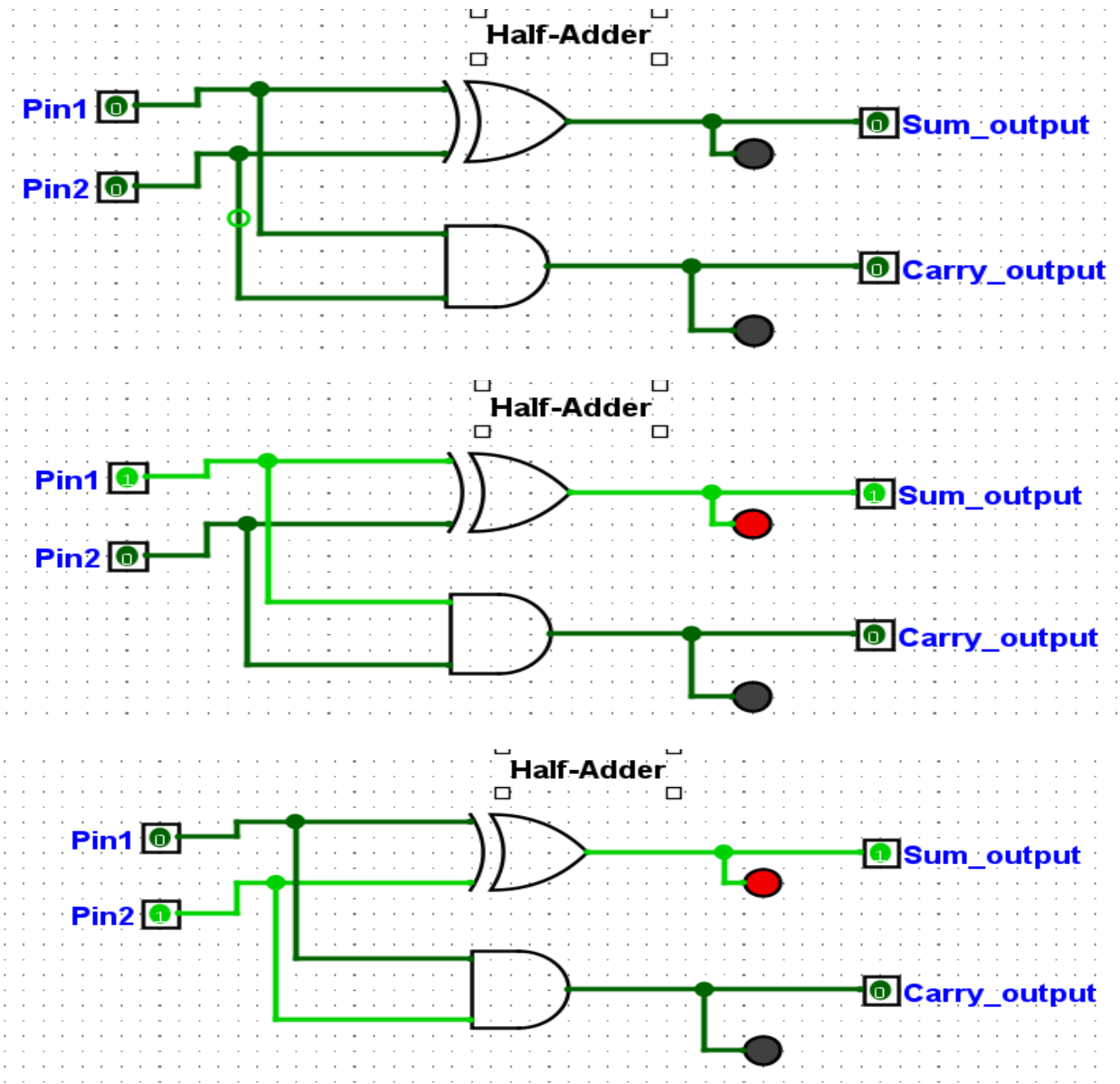
Pin 1	Pin 2	Output
0	0	0
0	1	1
1	0	1
1	1	0

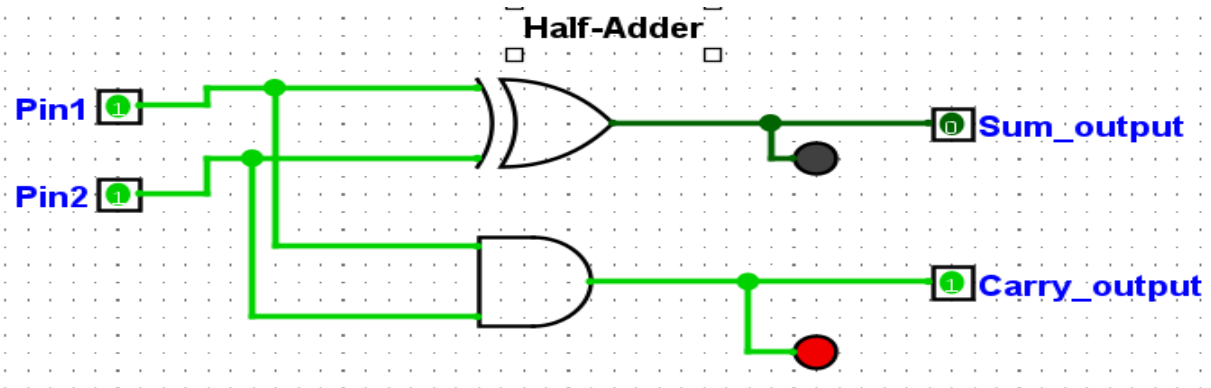
Q12:

A	B	Y (A XOR B)	Y' (A XNOR B)
0	0	0	1
0	1	1	0

1	0	1	0
1	1	0	1

Q13:





Q15:

Input 1	Input 2	Input 3	Sum output	Carry out
0	0	0	0	0
0	1	0	1	0
1	0	0	1	0
1	1	0	0	1
0	0	1	1	0
0	1	1	0	1
1	0	1	0	1
1	1	1	1	1

