Binary	SOP	Decimal
0001	A'B'C'D	1
0010	A'B'CD'	2
0011	A'B'CD	3
0100	A'BC'D'	4
0101	A'BC'D	5
0110	A'BCD'	6
0111	A'BCD	7
1000	AB'C'D'	8
1001	AB'C'D	9
1010	AB'CD'	10

A(MSB)
D(LSB)

Name   Qty

7805 5V Module   - 1
OR Gate   - 3
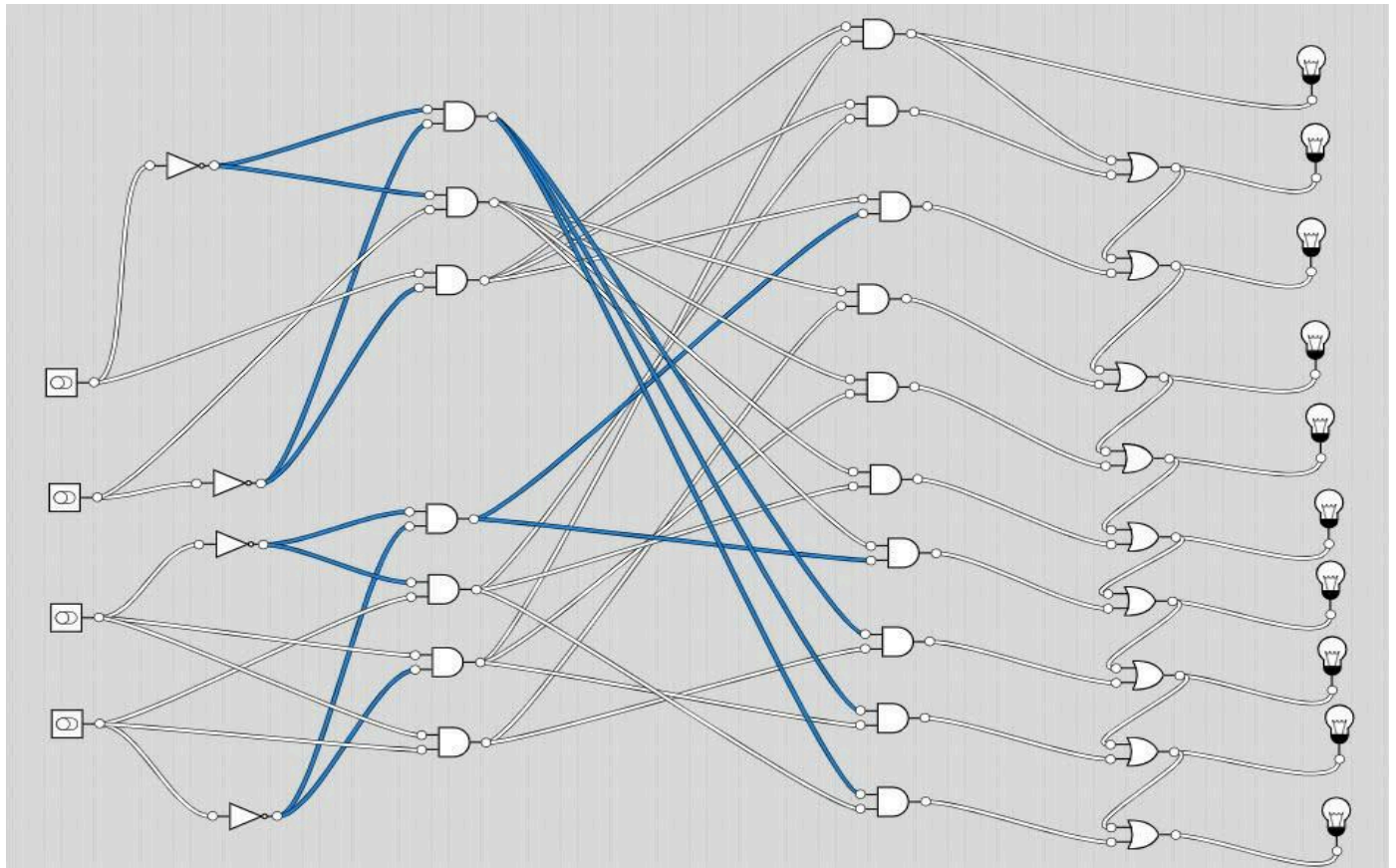AND Gate   - 5
NOT Gate   - 1
LED(RGB)   - 10
Wire(M-M)   -130
Breadboard(830) -2/3
Resistor(330 Ohm)- 10
Battery(9V)   - 1
Connector   - 1

(1) A' AND B'   C' AND D' (5)
(2) A' AND B   C' AND D (6)
(3) A AND B'   C AND D' (7)
                      C AND D (8)

1 = 1 AND 6
2 = 1 AND 7
3 = 1 AND 8
4 = 2 AND 5
5 = 2 AND 6
6 = 2 AND 7
7 = 2 AND 8
8 = 3 AND 5
9 = 3 AND 6
10 = 3 AND 7