

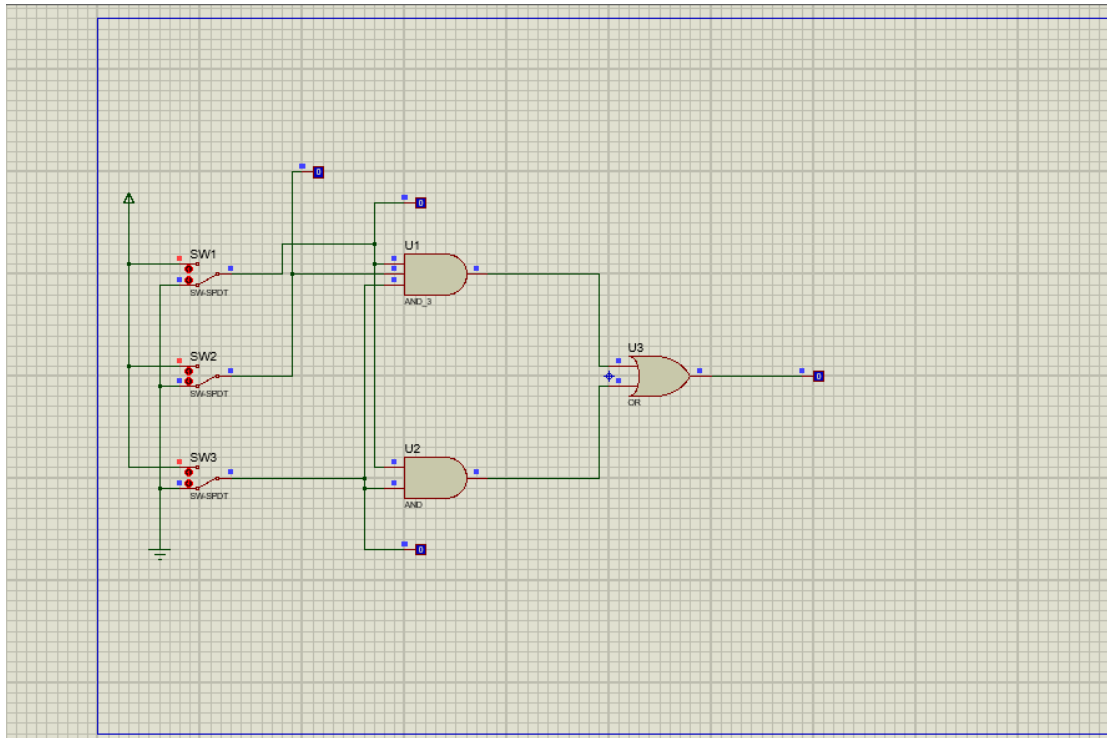
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Date : 4/4/2019

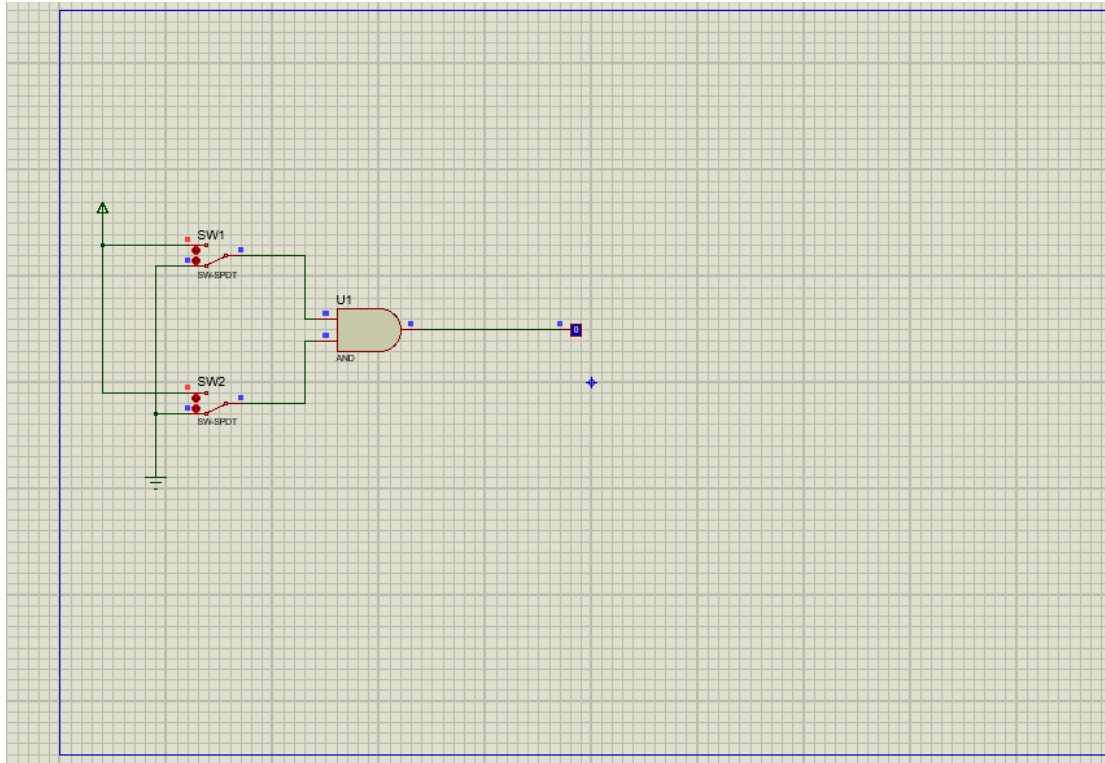
## Practict 1



Boolean function :  $F = ABC + AC$

A	B	C	F
0	0	0	0
1	0	0	0
0	1	0	0

1	1	0	0
0	0	1	0
1	0	1	1
0	1	1	0
1	1	1	1

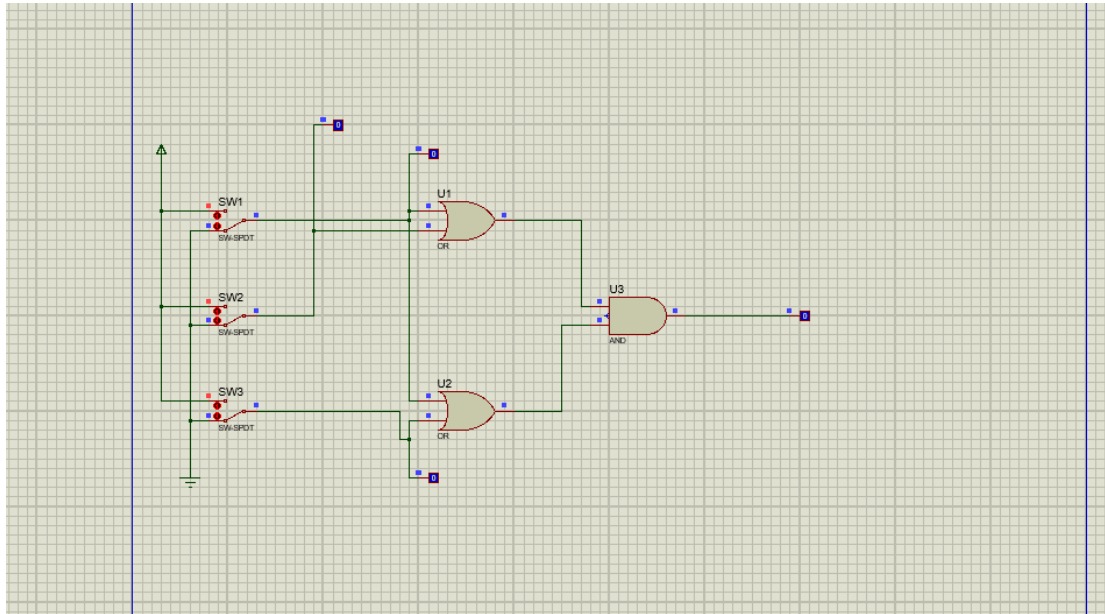


		AB			
		00	01	11	10
C	0	0	0	0	0
	1	0	0	1	1

Boolean function found map karnaugh:

$$\mathbf{F=AC}$$

## Practic 2



Boolean function :  $F = (A+B).(A+C)$

A	B	C	F
0	0	0	0
1	0	0	1
0	1	0	0
1	1	0	1
0	0	1	0
1	0	1	1
0	1	1	1
1	1	1	1

AB

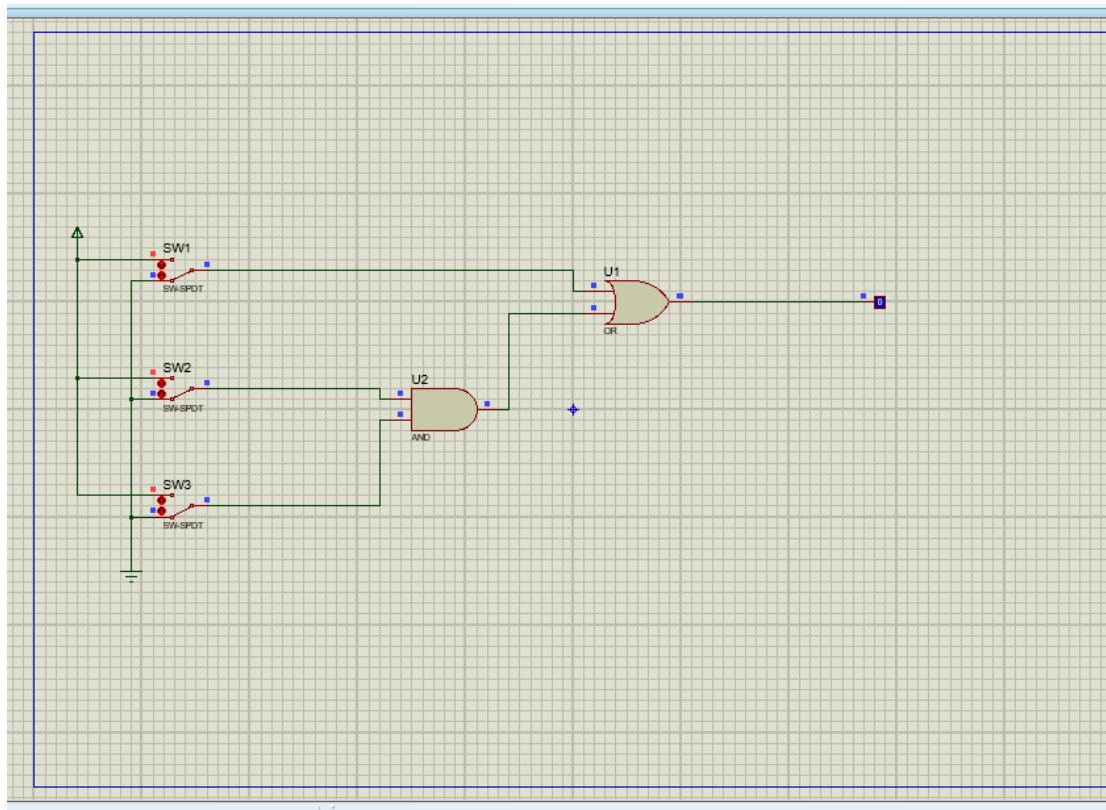
00    01    11    10

C	0	0	0	1	1
	1	0	1	1	1

Boolean Function found karnaugh:

$$F=A+(BC)$$

### Practic 3



Boolean Function :  $F=AB+A'B+B'C+BC$

A	B	C	F
0	0	0	0
1	0	0	0
0	1	0	1

1	1	0	1
0	0	1	1
1	0	1	1
0	1	1	1
1	1	1	1

		AB			
		00	01	11	10
C	0	0	1	1	0
	1	1	1	1	1

Boolean Function found karnaugh

$$\mathbf{F=B+C}$$

