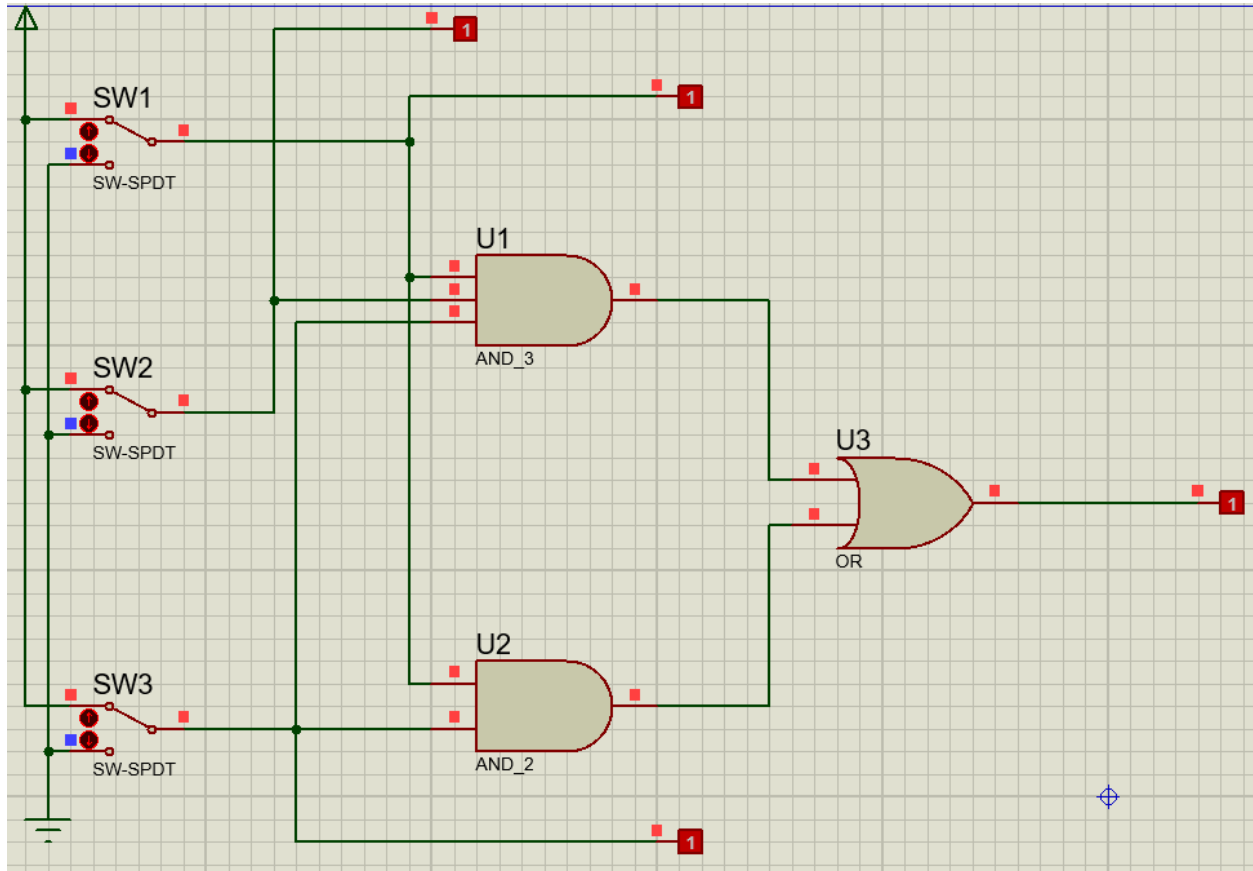


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KEGIATAN PRAKTIKUM

Percobaan 1



Fungsi Boolean : $F = ABC + AC$

Tabel kebenaran

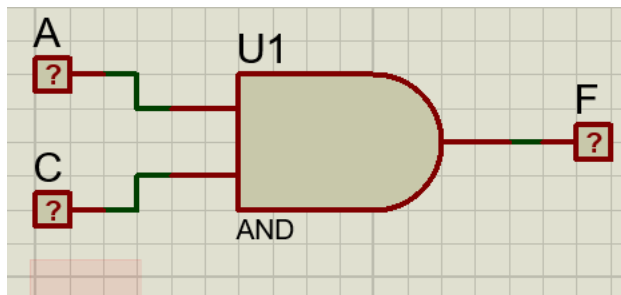
A	B	C	F
0	0	0	0
1	0	0	0
0	1	0	0
1	1	0	0
0	0	1	0
1	0	1	1
0	1	1	0
1	1	1	1

Peta karnaugh

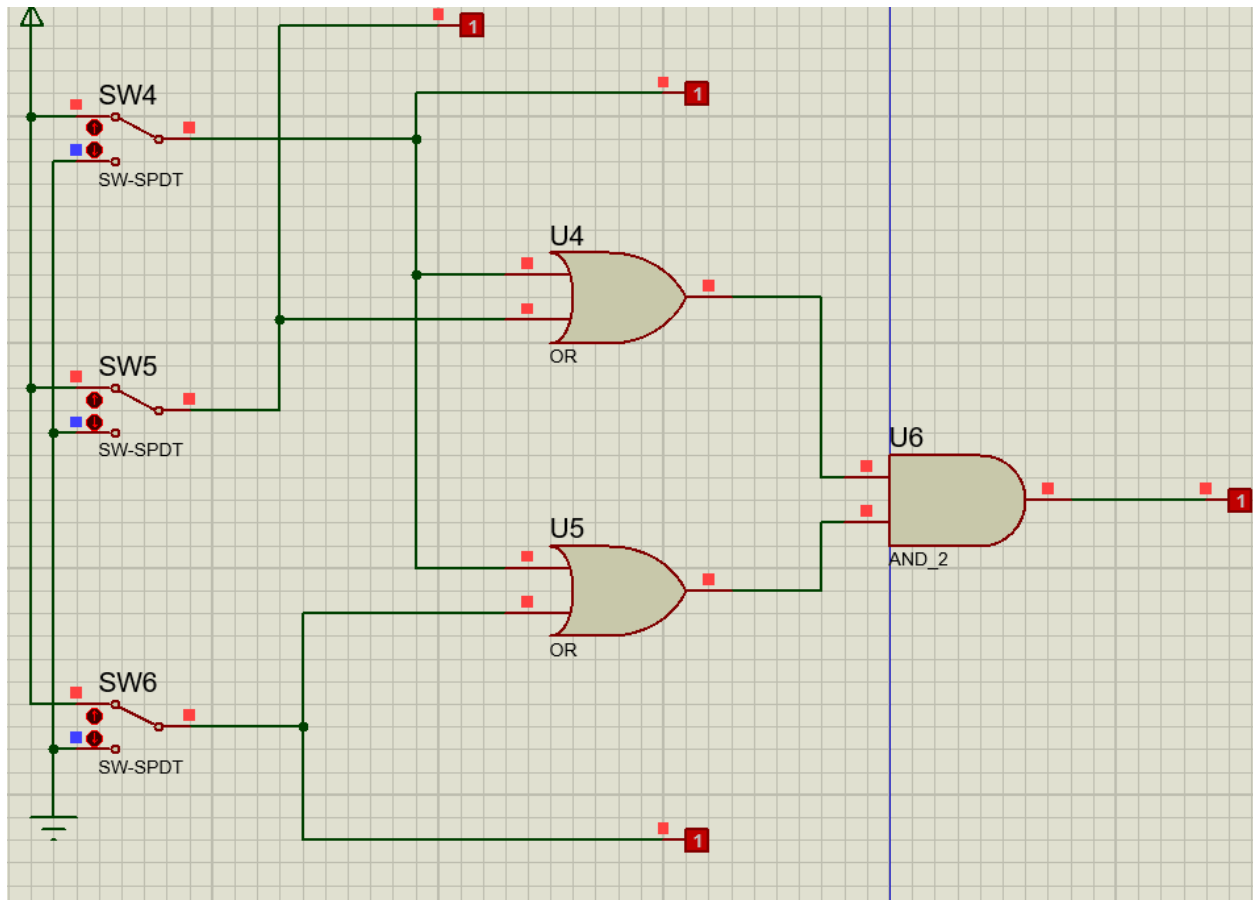
		AB			
		00	01	11	10
C	0	0	0	0	0
	1	0	0	1	1

Fungsi Boolean berdasarkan peta karnaugh : $F = AC$

Gerbang logika berdasarkan fungsi Boolean baru



Percobaan 2



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

Tabel kebenaran

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

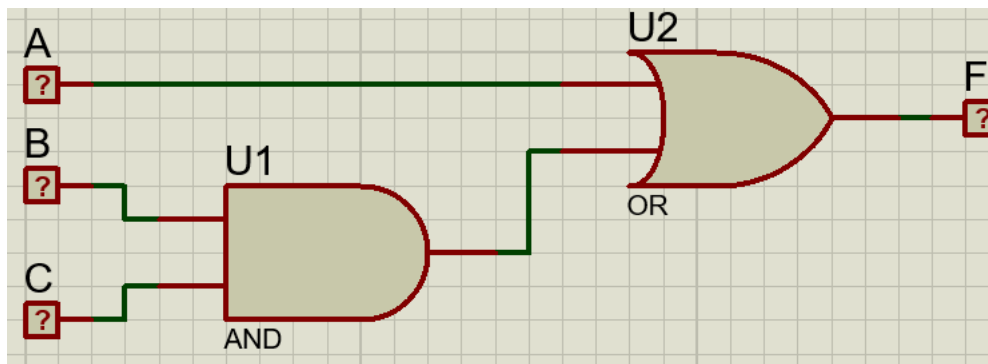
Peta karnaugh

	AB			
	00	01	11	10

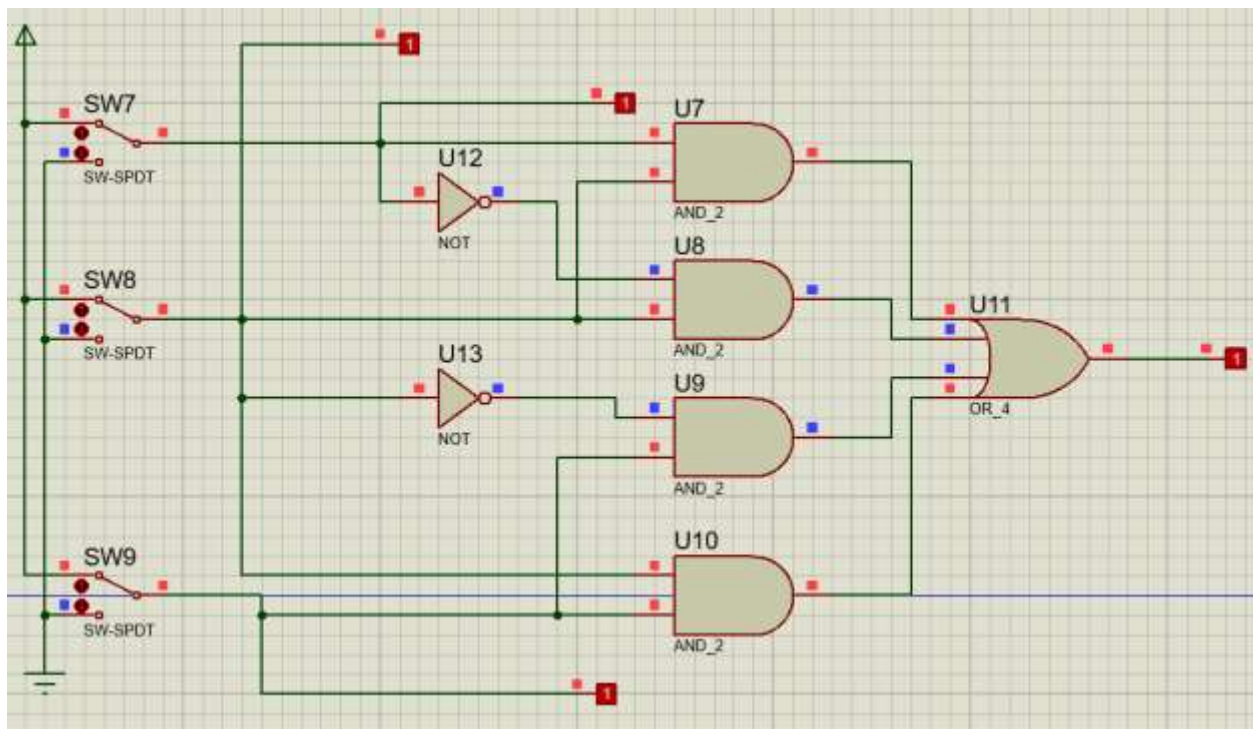
C	0	0	0	1	1
	1	0	1	1	1

Fungsi Boolean berdasarkan peta karnaugh : $F = A + BC$

Gerbang logika berdasarkan fungsi Boolean baru



Percobaan 3



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

Tabel kebenaran

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

Peta karnaugh

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

Fungsi Boolean berdasarkan peta karnaugh : $F = C + B$

Gerbang logika berdasarkan fungsi Boolean baru

