

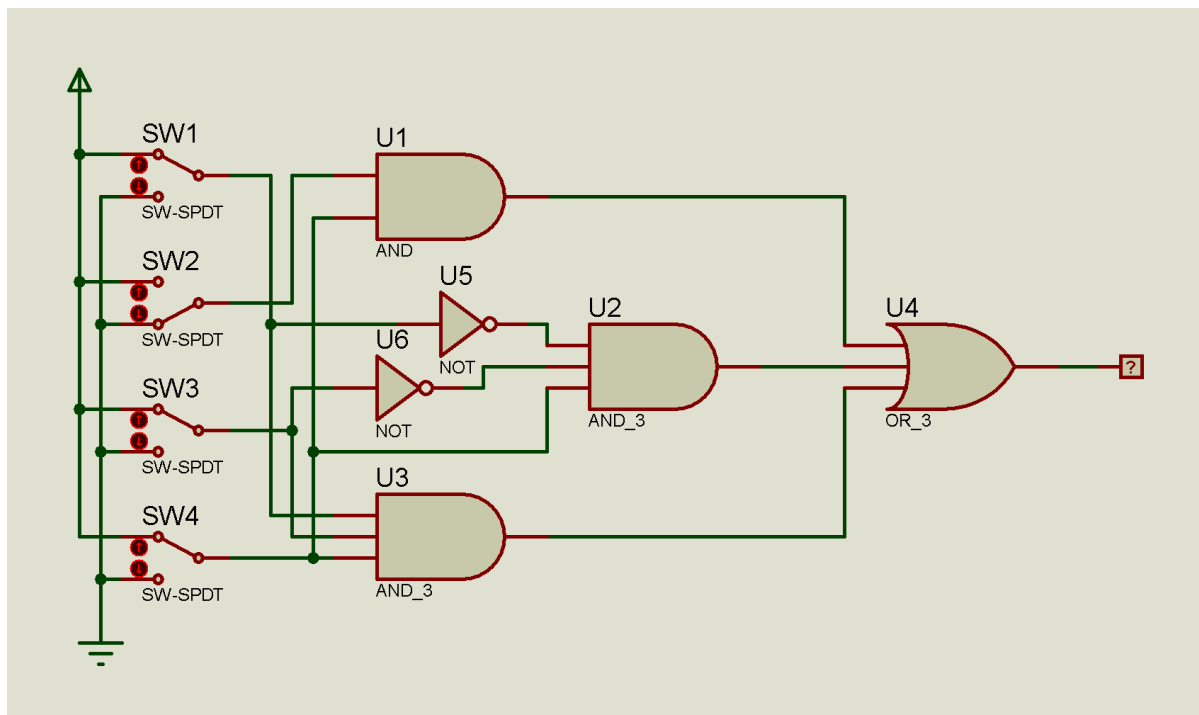
Percobaan 1

$\begin{matrix} AB \\ CD \end{matrix}$	00	01	11	10
00	0	0	0	0
01	1	1	1	0
11	0	1	1	1
10	0	0	0	0

Fungsi boolean sederhana :

$$F = BD + A'C'D + ACD$$

Gambar :



Percobaan 2

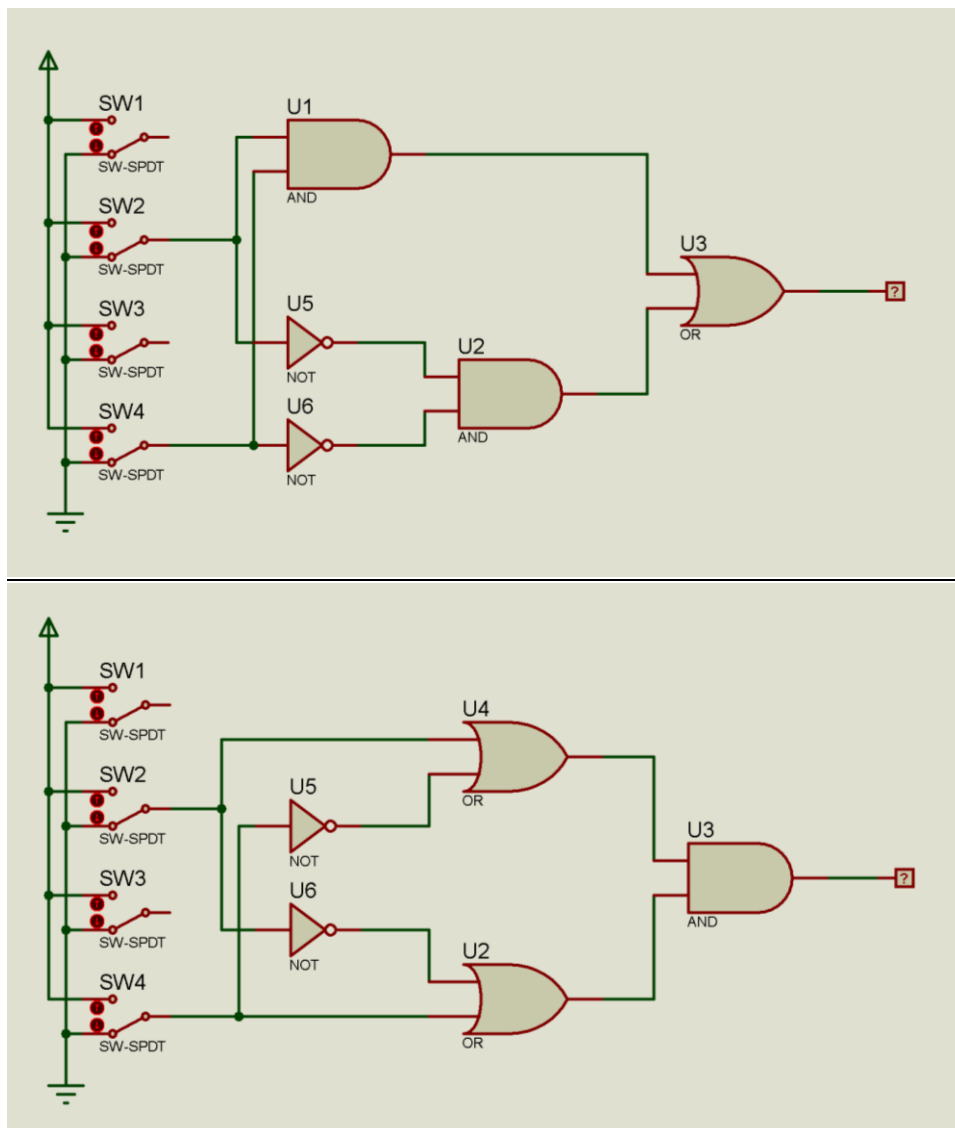
$\begin{matrix} AB \\ CD \end{matrix}$	00	01	11	10
00	1	0	0	1
01	0	1	1	0
11	0	1	1	0
10	1	0	0	1

Fungsi Boolean sederhana :

$$F = BD + B'D' \quad (\text{AND-OR})$$

$$F = (B + D')(B' + D) \quad (\text{OR-AND})$$

Gambar :



Percobaan 3

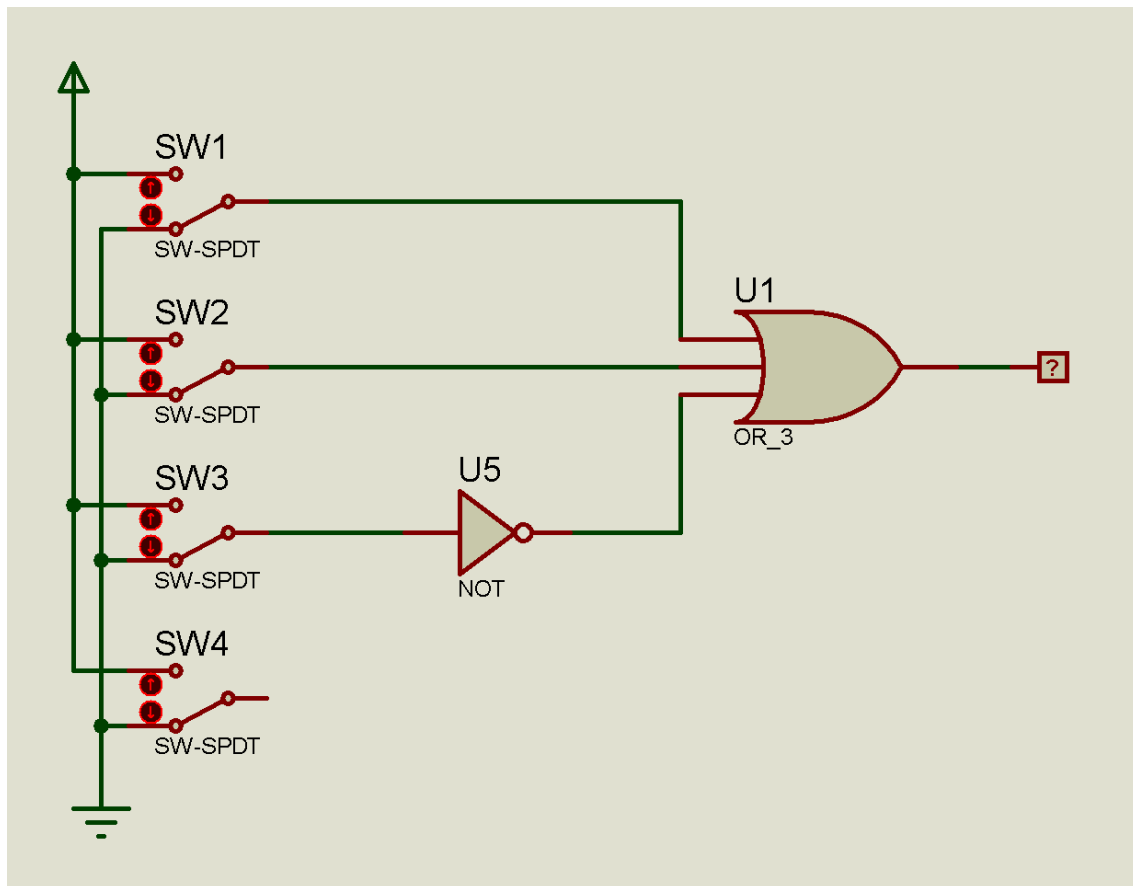
Fungsi Boolean : $F = XYZ + XYZ' + XY'Z + X'YZ + X'YZ' + XY'Z' + X'Y'Z'$

$\begin{matrix} z \\ \backslash xy \end{matrix}$	00	01	11	10
0	1	1	1	1
1	0	1	1	1

Fungsi Boolean sederhana :

$$F = C' + B + A$$

Gambar :



Percobaan 4

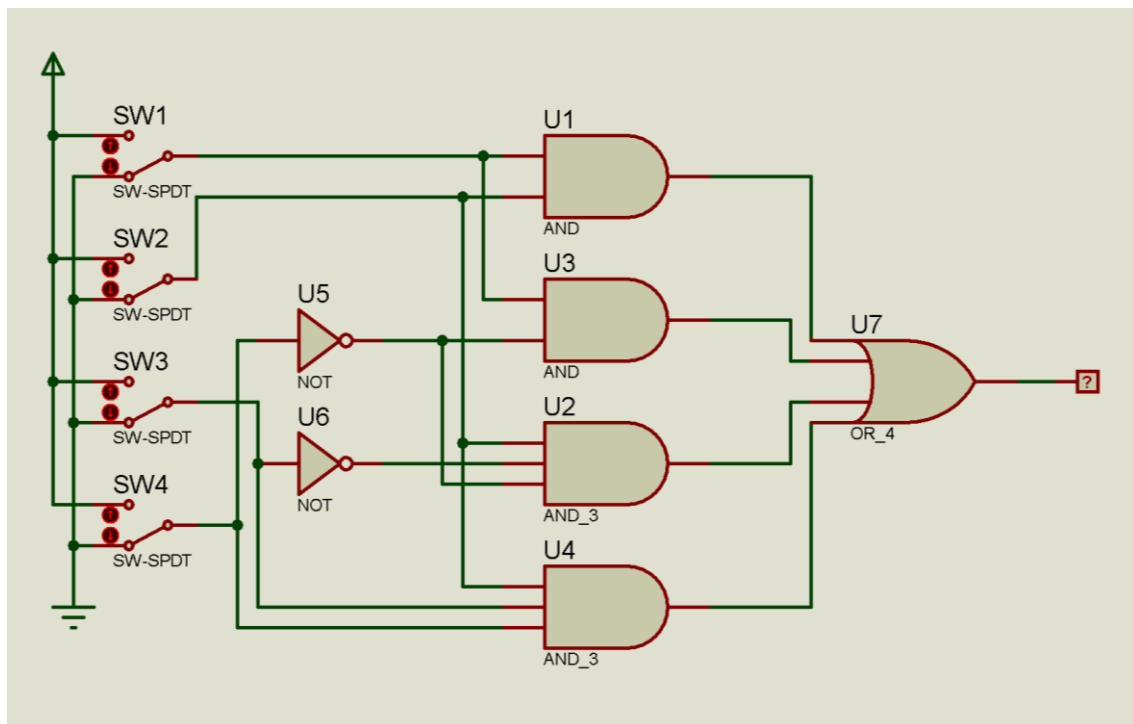
Fungsi Boolean : $F = AD' + ABC + ABC' + BCD + BC'D' + AB'CD'$

$\begin{matrix} AB \\ CD \end{matrix}$	00	01	11	10
00	0	1	1	1
01	0	0	1	0
11	0	1	1	0
10	0	0	1	1

Fungsi Boolean sederhana :

$$F = AB + AD' + BCD + BC'D'$$

Gambar :



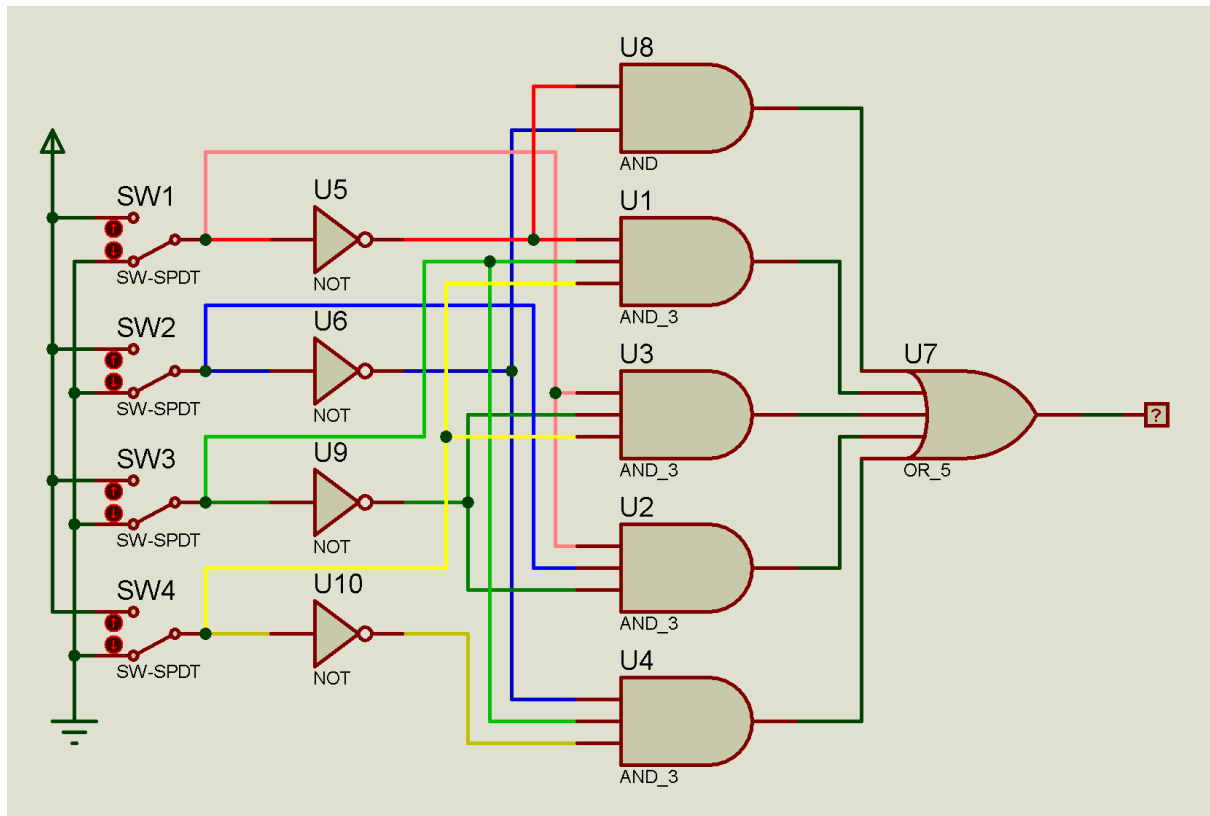
Percobaan 5

$\begin{matrix} AB \\ CD \end{matrix}$	00	01	11	10
00	1	0	1	0
01	1	0	1	1
11	1	1	0	0
10	1	0	0	1

Fungsi Boolean sederhana :

$$F = A'B' + A'CD + AC'D + ABC' + B'CD'$$

Gambar :



Apakah kedua kombinasi memberikan hasil yang sama? Ya / Tidak