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PERCOBAAN 1

1. Logic Gate
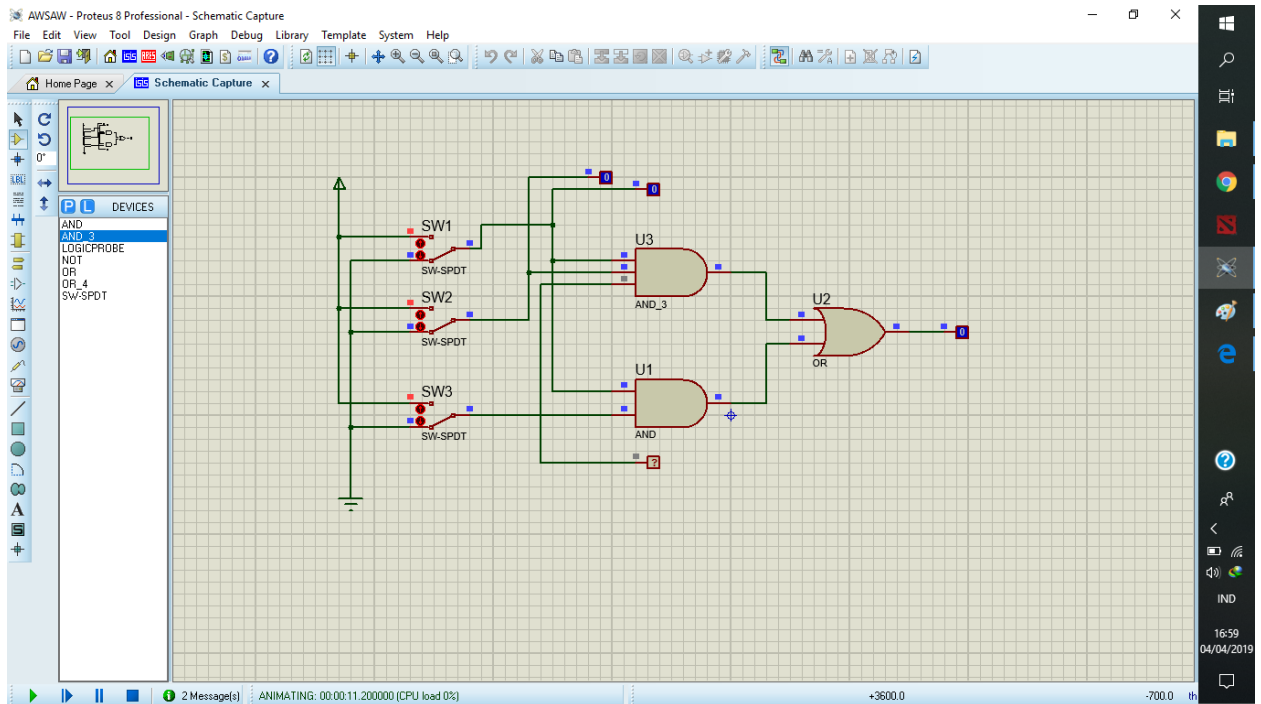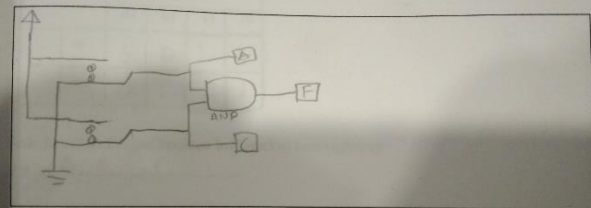

2. Bolean Function : **F = ABC + AC**

Karnaugh Map

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

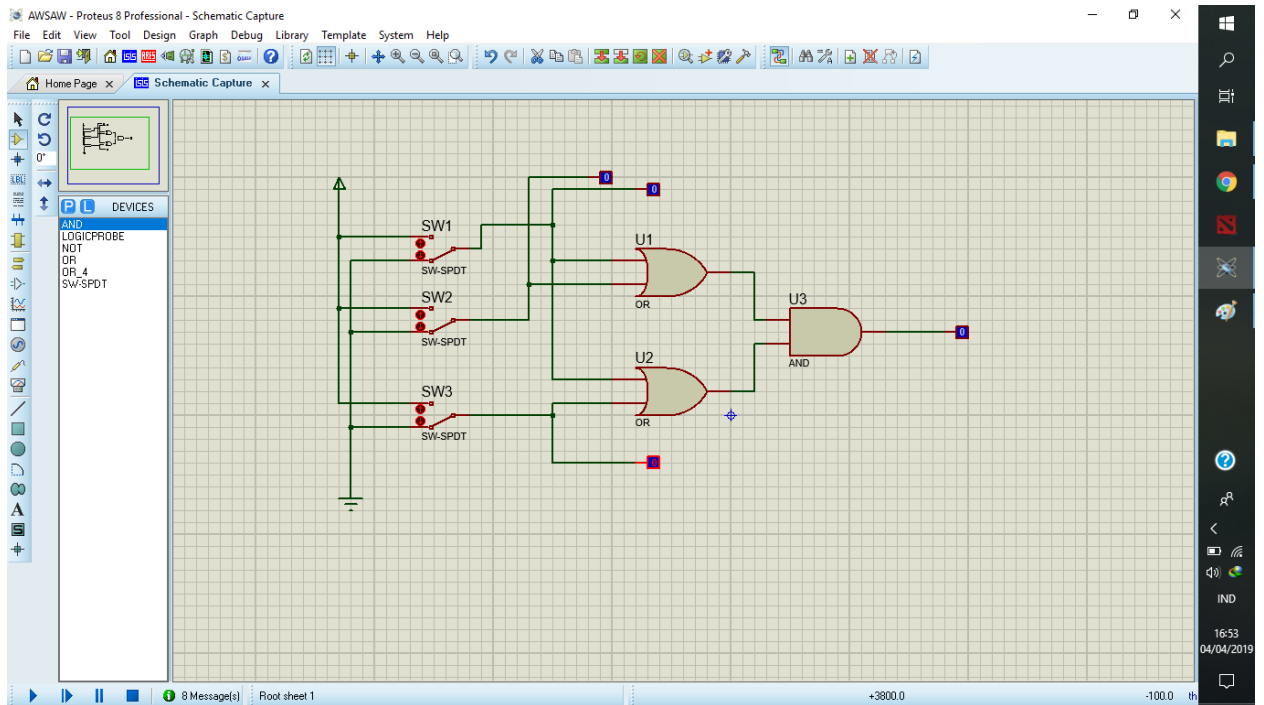|		AB			
		00	01	11	10
	0	0	0	0	0
	1	0	1	1	0

f) Buat kombinasi gerbang logika berdasarkan fungsi boolean baru anda! Gambar gerbang logika dalam kotak dibawah!

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3. New Bolean Function : **F = AC**

PERCOBAAN 2

1. Logic Gate

2. Bolean 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

Karnaugh Map

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

6. Buat kombinasi gerbang logika berdasarkan fungsi boolean baru anda! gambar gerbang logika dalam kotak dibawah!

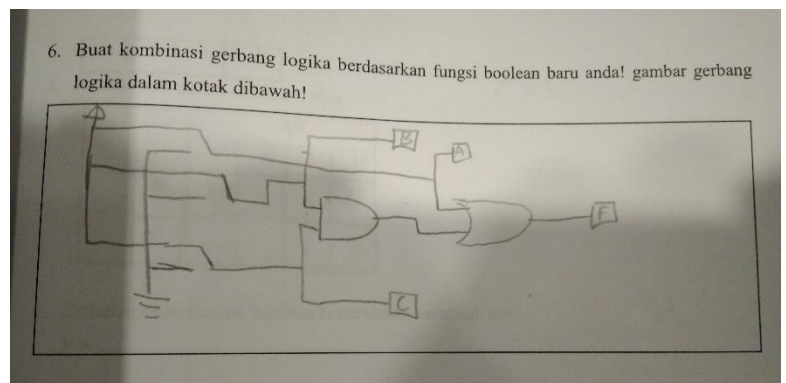3. New Bolean Function : **F = A + BC**

PERCOBAAN 3

1. Logic Gate
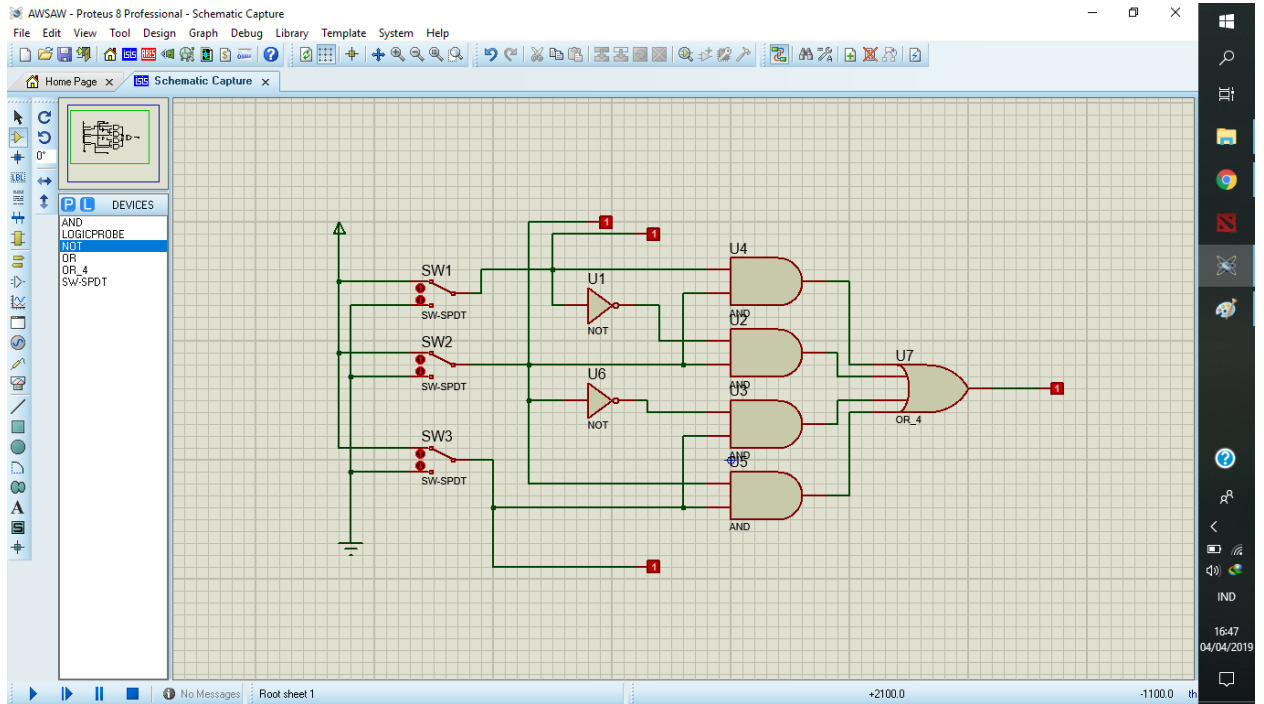
2. Bolean Function   : **F = AB + A'B + B'C + BC**

Karnaugh Map

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
	0	0	1	1	0
	1	1	1	1	1

6. Buat kombinasi gerbang logika baru! Gambar dalam kotak dibawah ini!

3. New Bolean Function   : **F = B + C**