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## LAPORAN SISTEM DIGITAL

### Modul 6

#### Percobaan 1

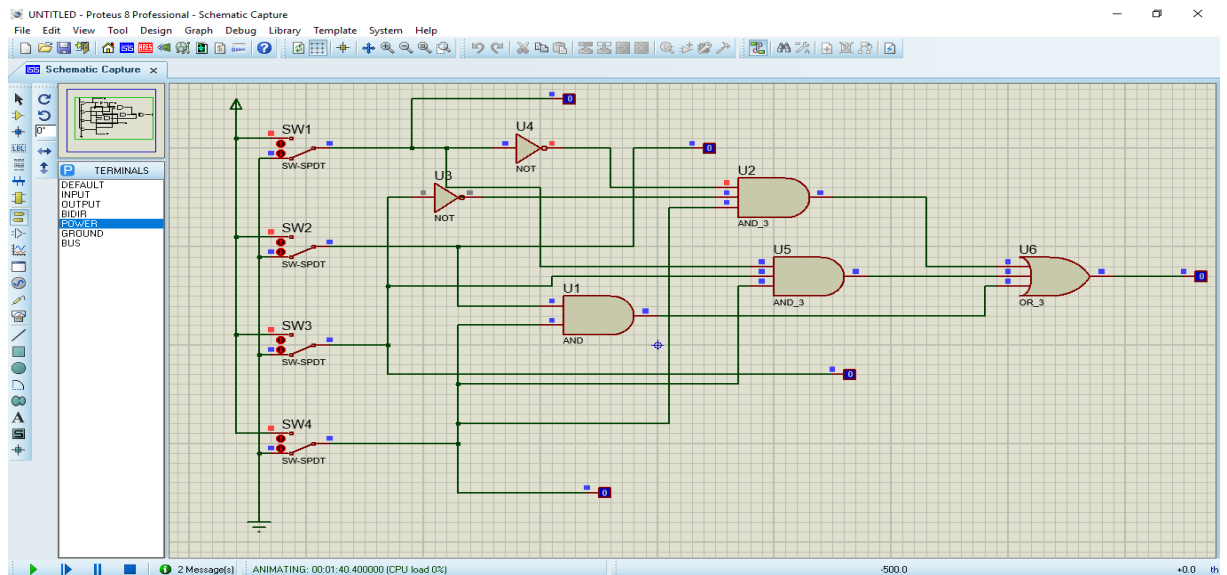
##### 1. Peta karnaugh

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

##### 2. Fungsi boolean

$$F = A'CD' + BD + ACD$$

##### 3. Rangkaian



#### Percobaan 2

### 1. Peta karnaugh

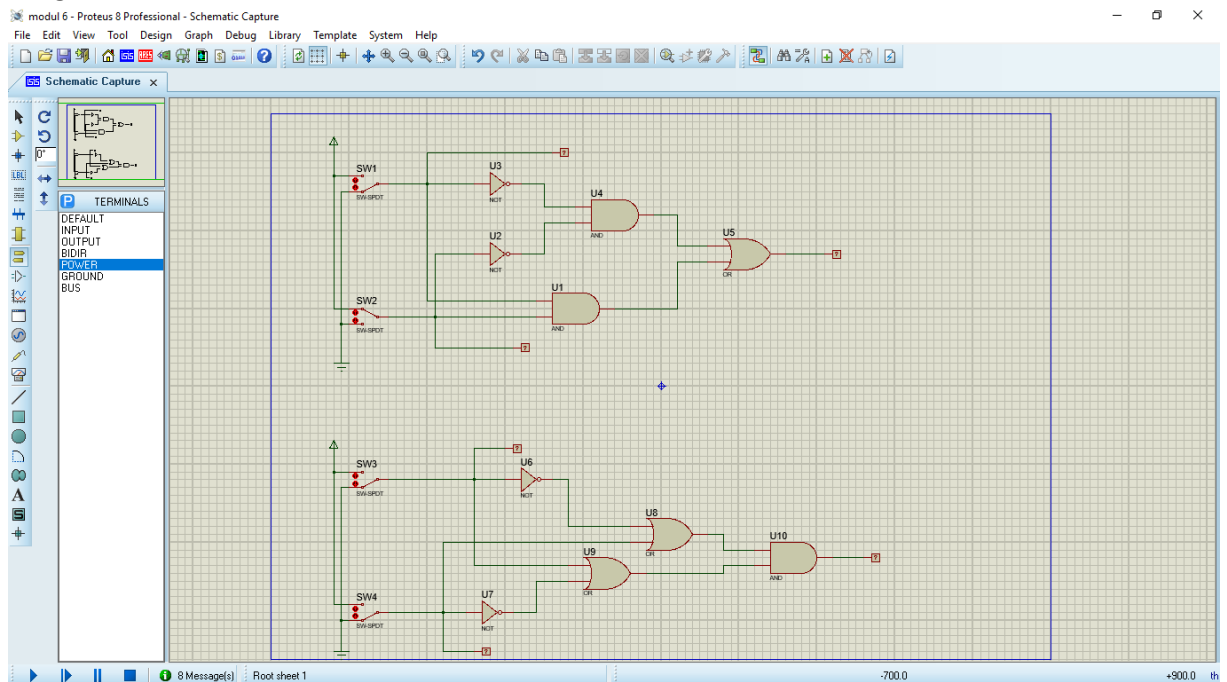
		AB			
		00	01	11	10
CD	00	1	0	0	1
	01	0	1	1	0
	11	0	1	1	0
	10	1	0	0	1

### 2. Fungsi boolean

$$F = B'D' + BD$$

$$F = (B'+D)(B+D')$$

### 3. Rangkaian



## Percobaan 3

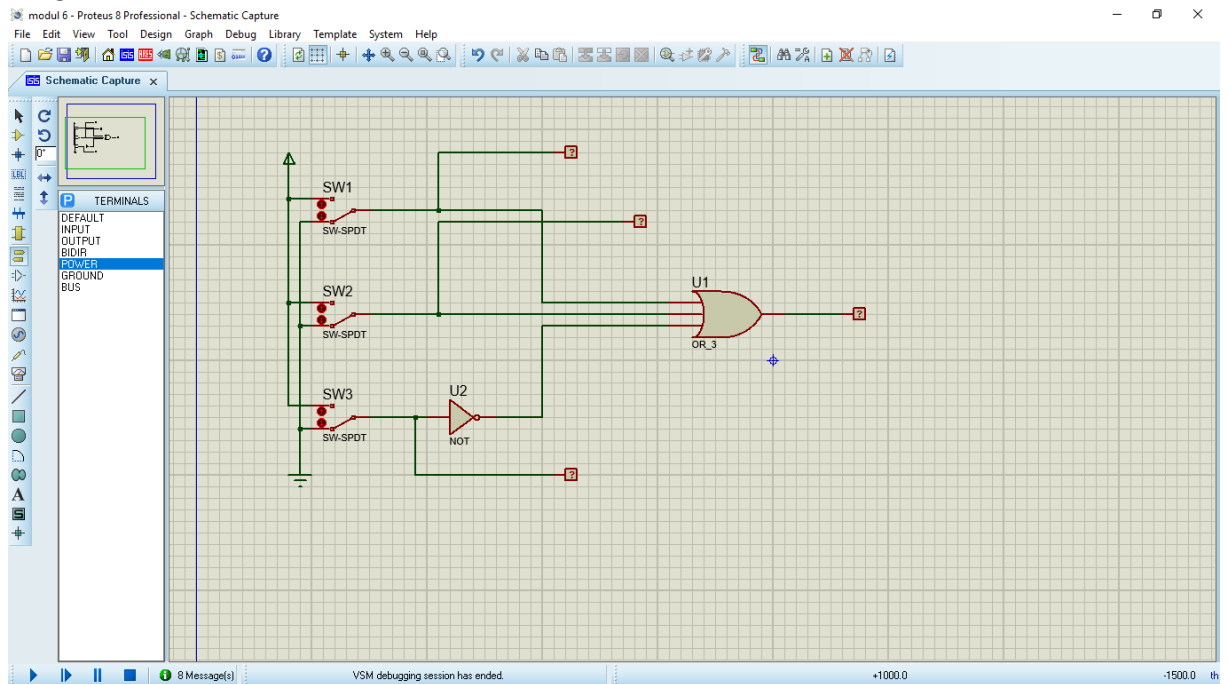
### 1. Peta karnaugh

		XY			
		00	01	11	10
Z	0	1	1	1	1
	1	0	1	1	0

## 2. Fungsi boolean

$$F = X + Y + Z'$$

## 3. Rangkaian



## Percobaan 4

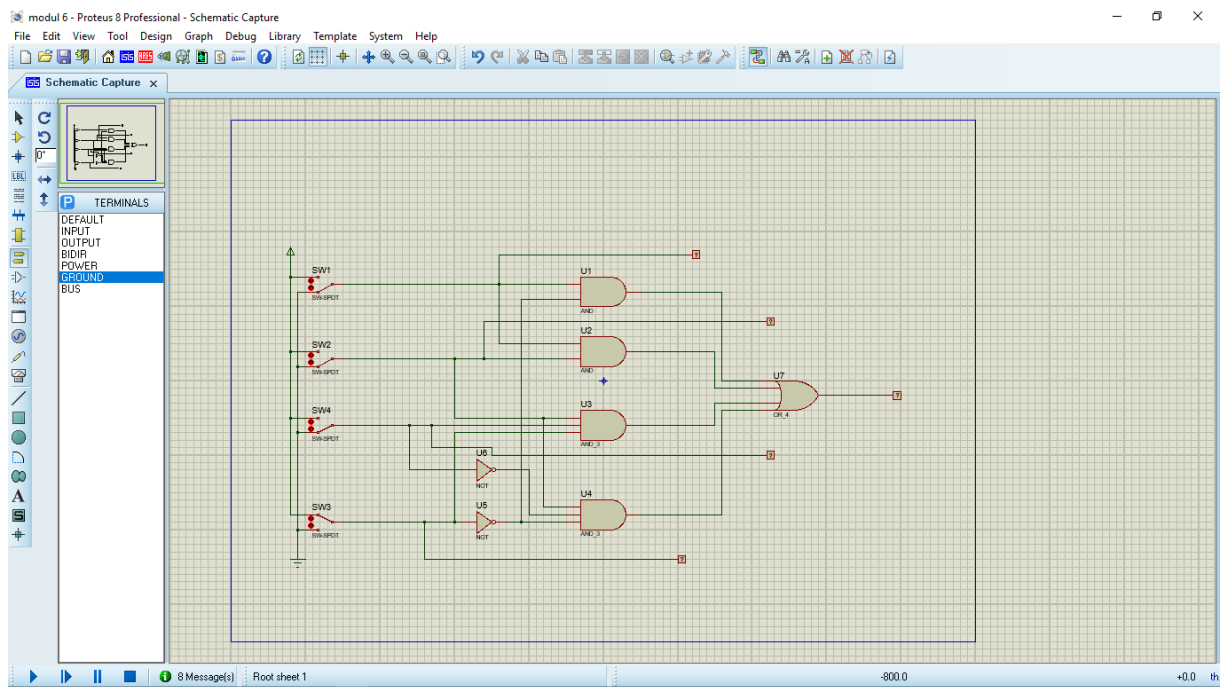
### 1. Peta karnaugh

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

### 2. Fungsi boolean

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

### 3. Rangkaian



## Percobaan 5

### 1. Peta karnaugh

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

### 2. Fungsi boolean

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

### 3. Rangkaian

