

MAC283 CW NO. 2 (For credit)

1. Simplify the equation from the following two Karnaugh maps and draw the simplified logic gate circuit.

AB/ CD	00	01	11	10
00	1	1	1	1
01		1	1	1
11		1	1	
10	1	1	1	1

AB/ CD	00	01	11	10
00	1			1
01		1	1	
11	1			1
10		1	1	

2. Simplify the following two equations using Karnaugh map and draw the simplified circuit.

$$Y1 = (B'D' + B'C)'$$

$$Y2 = A(+)B + A(+)D + AB + BD + BC$$

Submit your work to prof@dpeled.com

Make sure that I receive your email with the relevant attachments before you leave blackboard.

GOOD LUCK