

DLD Assignment 8

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January 2021

1 Boolean Equation

$$c = \overline{A} B \overline{C} \overline{D} \quad (1)$$

2 K - Map

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

Figure 1: K-Map for 2.5.1 (c)

From the K-Map above, we can infer that the POS expression is:

$$c = \overline{D} \overline{C} \overline{A} B \quad (2)$$