

DLD Assignment 5

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1 Boolean Equation

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

2 K - Map

$CD \backslash AB$	AB			
	00	01	11	10
00	0	1	0	0
01	0	0	0	0
11	X	X	X	X
10	0	0	X	X

Figure 1: K-Map for 2.5.1 (c)

Since we can't group any 1's and X's, we cannot simplify the expression any further.