Lab 5

① 4 하나

K-map for C_0

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

$A + C + BD + \bar{B}\bar{D}$

K-map for C_1

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

$A + AD + \bar{A}C + \bar{A}\bar{B}$

K-map for C_2

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

$\bar{C} + D + B$

K-map for C_3

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

$\bar{B}\bar{D} + \bar{A}\bar{C} + C\bar{D} + B\bar{C}D$

K-map for C_4

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

$$\overline{B}\,\overline{D} + \overline{C}\,\overline{D}$$

K-map for C_5

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

$$\overline{C}\,\overline{D} + B\overline{C} + \overline{C} + B\overline{D}$$

K-map for C_6

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

$$A + B\overline{C} + C\overline{D} + \overline{B}C$$