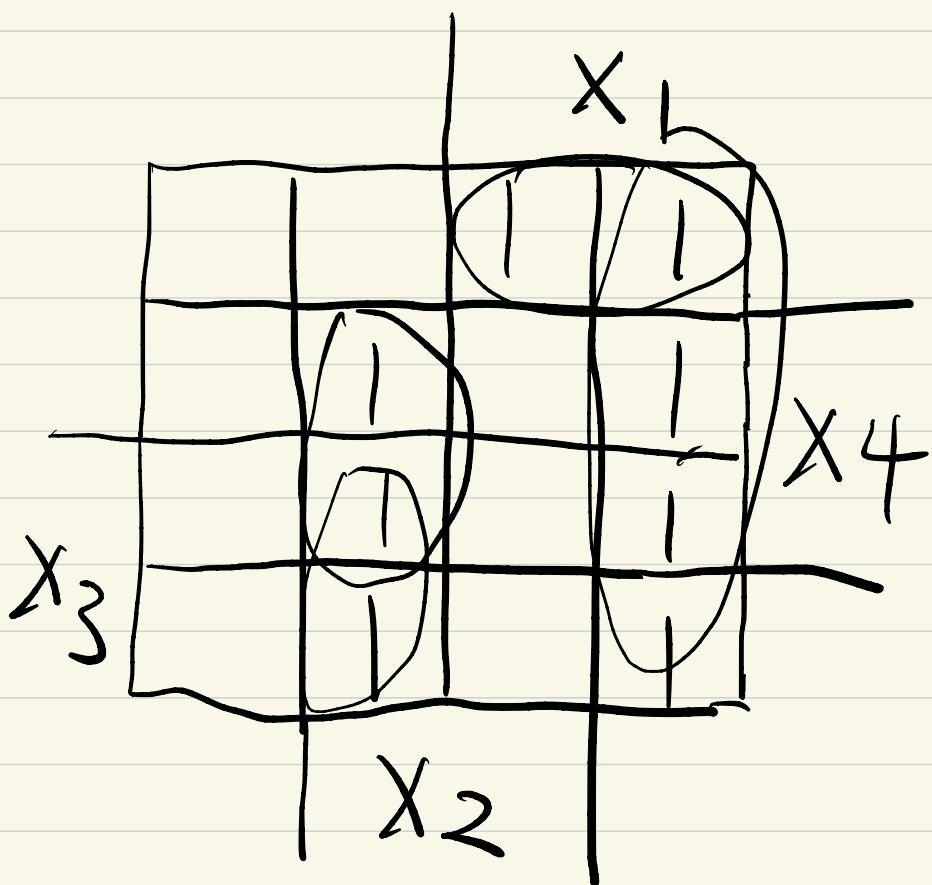



G3:

$$\begin{cases} X_1 = \bar{B}_3 & X_3 = B_1 \\ X_2 = \bar{B}_2 & X_4 = B_0 \end{cases}$$

0	0
1	0
2	0
3	0
4	0
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	0
14	0
15	0



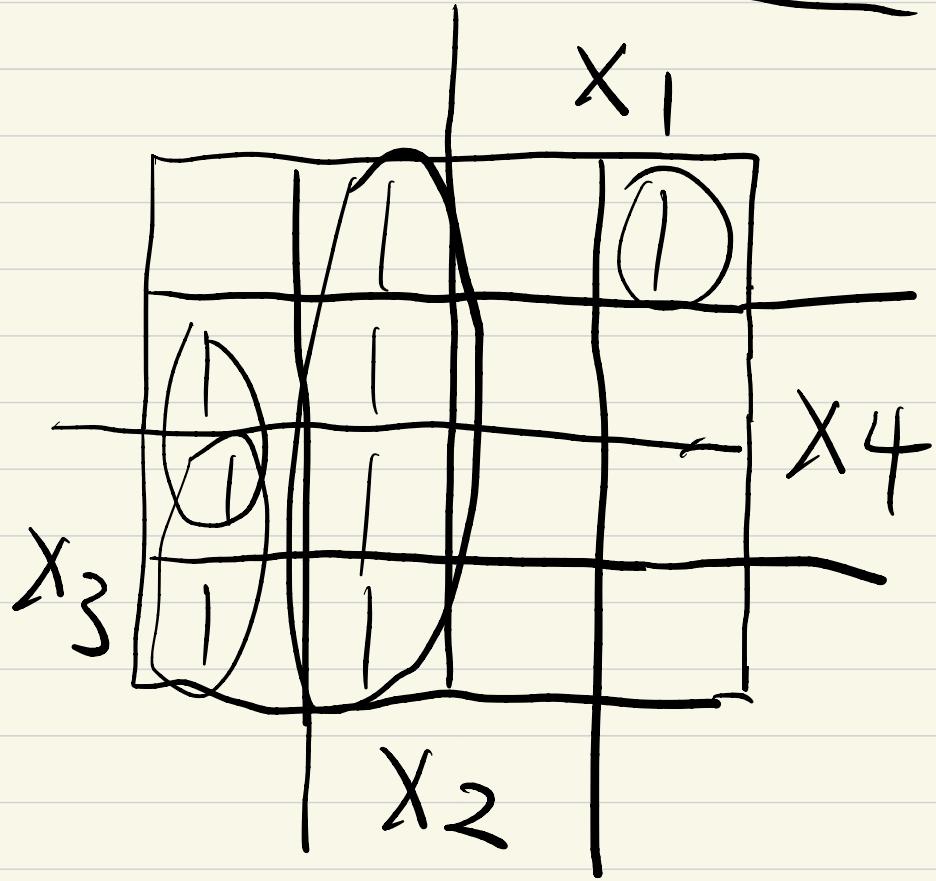
$$X_1 \bar{X}_2 + X_1 \bar{X}_3 \bar{X}_4$$

$$+ \bar{X}_1 X_2 X_3 + X_4 X_2 \bar{X}_1$$

$G_2 =$

$$\begin{cases} X_1 = B_3 & X_3 = B_1 \\ X_2 = B_2 & X_4 = B_0 \end{cases}$$

0	0
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	0
10	0
11	0
12	0
13	0
14	0
15	0



$$x_2 \bar{x}_1 + x_3 \bar{x}_1 \bar{x}_2$$

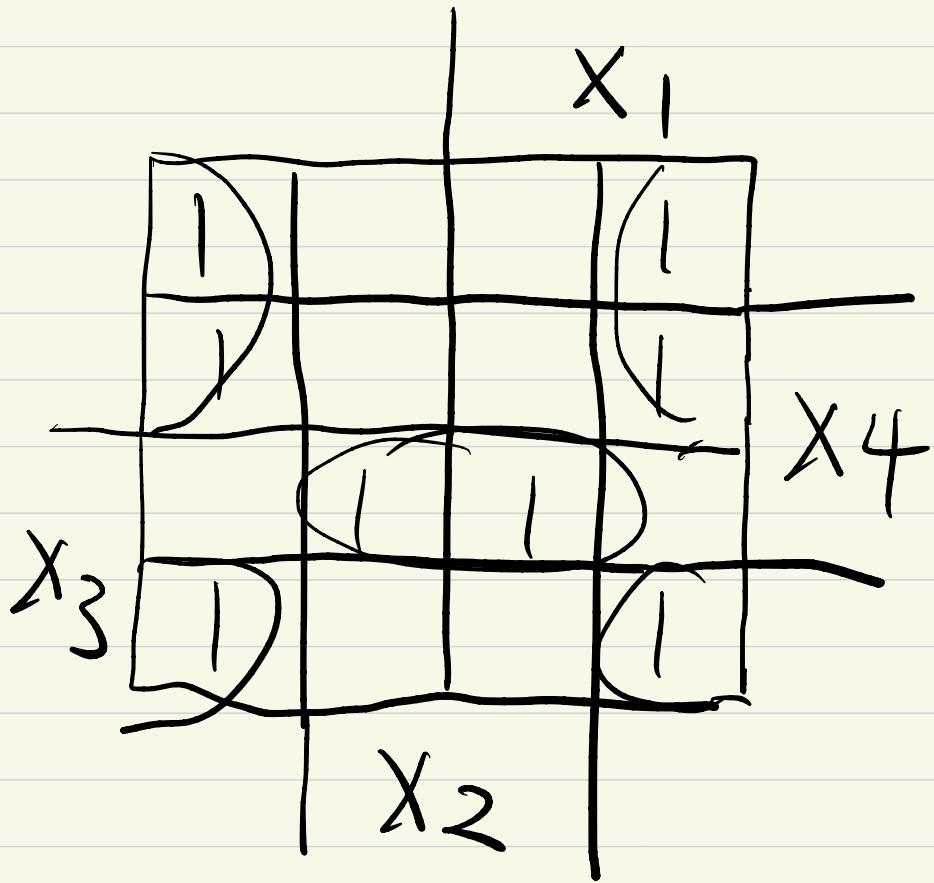
$$+ x_4 \bar{x}_1 \bar{x}_2$$

$$+ x_1 \bar{x}_2 \bar{x}_3 \bar{x}_4$$

G1

$$\begin{cases} X_1 = B_3 & X_3 = B_1 \\ X_2 = B_2 & X_4 = B_0 \end{cases}$$

0	1
1	1
2	1
3	0
4	0
5	0
6	0
7	1
8	1
9	1
10	1
11	0
12	0
13	0
14	0
15	1



$$X_2 X_4 X_3 + \overline{X_3} \overline{X_2}$$

$$+ X_3 \overline{X_4} \overline{X_2}$$

GDO =

0 0

1 0

2 1

3 1

4 0

5 0

6 1

7 1

8 0

9 0

10 1

11 1

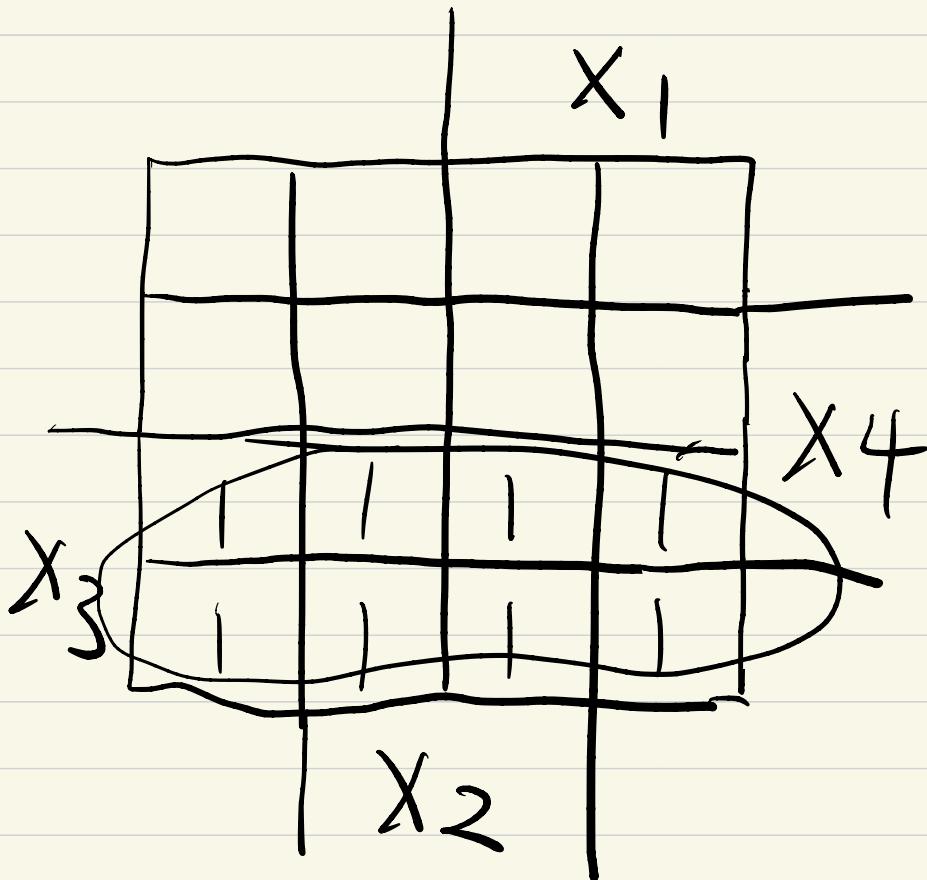
12 0

13 0

14 1

15 1

$$\begin{cases} X_1 = B_3 & X_3 = B_1 \\ X_2 = B_2 & X_4 = B_0 \end{cases}$$



X3