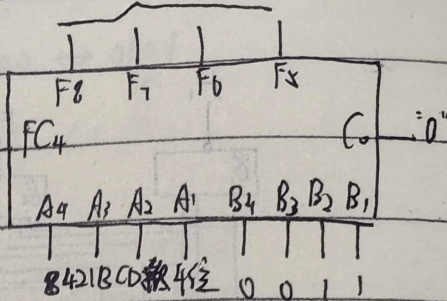
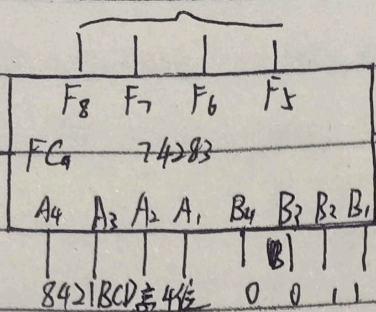


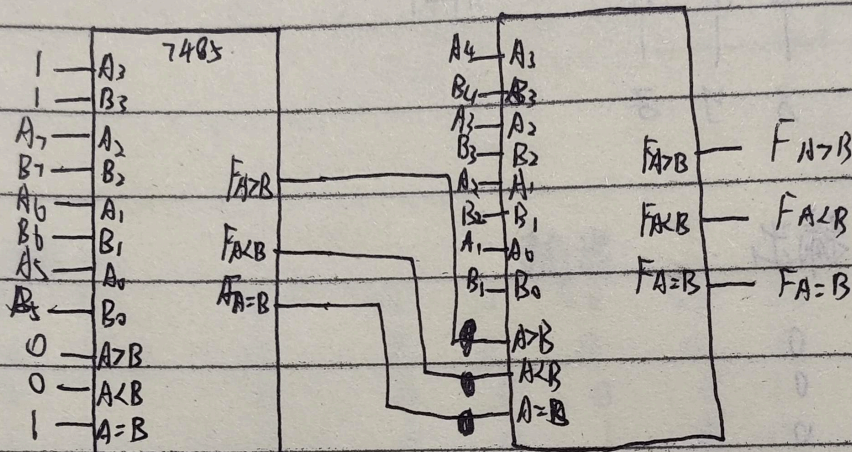
6.1

余3码高4位

余3码低4位



6.2



6.3 列出真值表

输入

输出

| X | Y | Z | F ₁ | F ₂ | F ₃ |
|---|---|---|----------------|----------------|----------------|
| 0 | 0 | 0 | 1 | 1 | 1 |
| 0 | 0 | 1 | 1 | 1 | 1 |
| 0 | 1 | 0 | 0 | 1 | 0 |
| 0 | 1 | 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 | 1 | 1 |

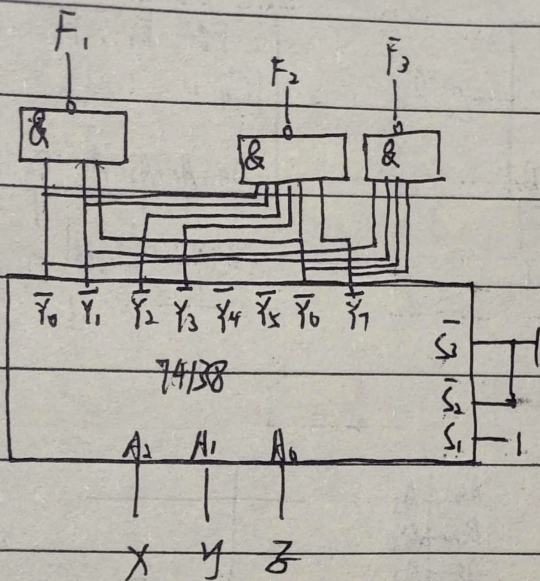
$$F_1 = \sum m(0, 1, 6)$$

$$F_2 = \sum m(0, 1, 2, 3, 6, 7)$$

$$F_3 = \sum m(0, 1, 6, 7)$$

日期:

年 月 日



6.4(2)

输入

输出

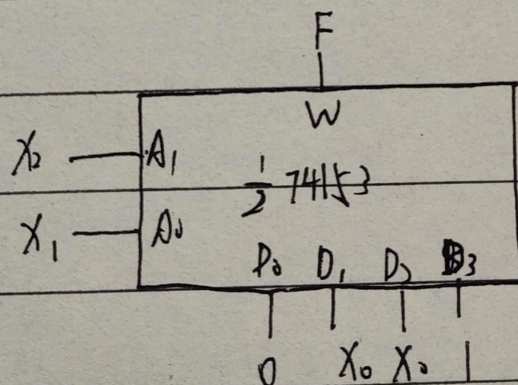
| X_2 | X_1 | X_0 |
|-------|-------|-------|
| 0 | 0 | 0 |
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 0 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |
| 1 | 1 | 1 |

| |
|---|
| 0 |
| 0 |
| 0 |
| 1 |
| 0 |
| 1 |
| 1 |
| 1 |

$$F = \sum m(3, 5, 6, 7)$$

$$F = \bar{X}_2 \bar{X}_1 X_0 + X_2 \bar{X}_1 X_0 + X_2 X_1 \bar{X}_0 + X_2 X_1 X_0$$

$$= \bar{X}_2 \bar{X}_1 \cdot 0 + \bar{X}_2 X_1 X_0 + X_2 \bar{X}_1 X_0 + X_2 X_1 \cdot 1$$



6.5 假设初始状态为 0000

[illegible]

| 输入 | | | 输出 | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| x_2 | x_1 | x_0 | S_5 | S_4 | S_3 | S_2 | S_1 | S_0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | |
| 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | |

$$S_4 = x_2 \bar{x}_1 \bar{x}_0 + x_2 \bar{x}_1 x_0 + x_2 x_1 x_0 = \Sigma_m(4, 5, 7)$$

$$S_3 = \bar{X}_2 X_1 X_0 + X_2 \bar{X}_1 X_0 = \Sigma_m(3, 5)$$

$$S_2 = \bar{X}_2 X_1 \bar{X}_0 + X_2 X_1 \bar{X}_0 = \Sigma_m(2, 6)$$

$$S_1 = 0$$

$$S_0 = \bar{X}_2 \bar{X}_1 X_0 + \bar{X}_2 X_1 X_0 + X_2 \bar{X}_1 X_0 + X_2 X_1 X_0 = \Sigma_m(1, 3, 5, 7)$$

