

1. 偶校验码生成器

$$F = \bar{A}\bar{B}\bar{C}D + \bar{A}BCD + \bar{A}\bar{B}C\bar{D} + \bar{A}BC\bar{D} + A\bar{B}C\bar{D} + ABC\bar{D} + A\bar{B}C\bar{D} + A\bar{B}C\bar{D}$$

卡诺图:

AB \ CD	00	01	11	10
00		1	1	
01	1		1	
11		1		1
10	1		1	

2. 命令启停器

$$F = A \cdot E \cdot T \cup O \cdot F$$

$$B = C \cdot E \cdot T \cup O \cdot F$$

$$I = G \cdot D \cdot T \cup O \cdot N$$

$$S = G \cdot E \cdot T \cup O \cdot F$$

G: 老鼠停止移动