

# 圆 计事大学 数学作业纸

班级: 计이 姓名: 答逸祖 编号: 2020010阳 科目: 数电

4.3	退华表达大:	( Go = Bo & Bi = Bo Bi + Bo Bi
		Gi= Bi BBz = Bi Bz + Bi Bz
		G1 = B2 @B3 = B2B3 + B2B3
		$G_{0} = B_{0} \oplus B_{1} = B_{0} B_{1} + B_{0} B_{1}$ $G_{1} = B_{1} \oplus B_{2} = B_{1} B_{2} + B_{1} B_{2}$ $G_{2} = B_{2} \oplus B_{3} = B_{2} B_{3} + B_{2} B_{3}$ $G_{3} = B_{3}$

45 K=0:	Bo Bi Ba	Ao Ai Az
4.5	000	0 0 0
	100	100
	0 1 0	1 10
	1 1 0	0 1 0
	001	1 1 1
	101	0 1 1
	011	0 0 1
	1 1 1 1	101

功能表	
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B. B. B. B. B.	Go G. G2 G3
0000	0 0 0 0
1010	1010
0 0 0 1	0 0 1 1
00 11	0 1 (1
0 1 1	1001

K=1:	Bo	BI	BZ	Ao	A,	Az
	0	0	0	0	0	0
	- 1	0	0	1	0	0
	0	1	0	1	1	0
	1	1	0	0	1	0
	0	0	1	0	1	1
		0	1	1	1	1
	0	- 1	1	1	0	1
	- 1	1	- 1	0	D	1

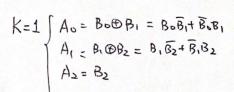
## 4.6 逻辑表述:

功能: 8421 编码器

### 4.5 逻辑表达式:

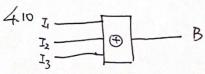
K=0, 
$$A_0 = B_0 \oplus B_1 \oplus B_2$$
  
 $= \overline{B_0} B_1 B_2 + B_0 \overline{B_1} B_2 + B_0 B_1 \overline{B_2} + \overline{B_0} \overline{B_2}$   
 $A_1 = B_1 \oplus B_2 = B_1 \overline{B_2} + \overline{B_1} B_2$   
 $A_2 = B_2$ 

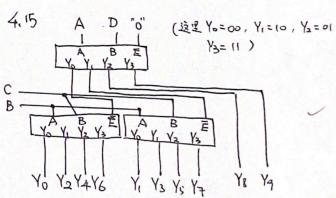
功能:码制译码器: 8421 - 梅雷码



#### 功能:

K=0: 码制译码:格雷码-二进制 K=1: 码制译码: 一些制一格雷码.







班级: 中间 姓名: 总建制 编号: 2020010是9 科目: 数电 第 2 页

