

**Truth Table:**

Decimal	Inputs				Outputs						
		C	B	A	a	b	c	d	e	f	g
0		0	0	0	1	1	0	1	1	0	1
1		0	0	1	1	1	0	1	1	0	1
2		0	1	0	0	1	1	0	0	0	0
3		0	1	1	0	1	1	0	0	0	0
4		1	0	0	1	1	1	1	0	1	1
5		1	0	1	1	0	1	1	0	1	1
6		1	1	0	1	1	1	1	1	1	0
7		1	1	1	0	0	0	0	0	0	0

**Show work on the K-Map and Functions Below.**

		BA			
C		00	01	11	10
	0	1	1	0	0
	1	1	1	0	1