

$F:$ $b_3 b_2 b_1 b_0$

	$b_3 b_2$	$b_1 b_0$	00	01	11	10
00	0	0	1	1		
01	0	1	0	1		
11	1	1	1	1		
10	1	1	1	1		

$$F = m \Sigma(0, 2, 3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15)$$

$$F = b_3 + \bar{b}_2 \bar{b}_0 + \bar{b}_2 b_1 + b_1 b_0 + b_2 \bar{b}_1 b_0$$

$G:$ $b_3 b_2 b_1 b_0$

	$b_3 b_2$	$b_1 b_0$	00	01	11	10
00	1	1	1	0		
01	1	1	1	1		
11	0	0	0	0		
10	1	1	1	0	0	

$$G = m \Sigma(0, 1, 3, 4, 5, 6, 7, 8, 9)$$

$$G = \bar{b}_3 \bar{b}_2 + \bar{b}_2 \bar{b}_1 + \bar{b}_3 b_0$$

$H:$ $b_3 b_2 b_1 b_0$

	$b_3 b_2$	$b_1 b_0$	00	01	11	10
00	0	0	0	0		
01	0	0	0	0		
11	1	1	1	1		
10	0	0	1	1		

$$H = m \Sigma(10, 11, 12, 13, 14, 15)$$

$$H = b_3 b_2 + b_3 b_1$$