

b3	b2	b1	b0	b'3	b'2	b'1	b'0
0	0	0	0	1	0	0	1
0	0	0	1	1	0	0	0
0	0	1	0	0	1	1	1
0	0	1	1	0	1	1	0
0	1	0	0	0	1	0	1
0	1	0	1	0	1	0	0
0	1	1	0	0	0	1	1
0	1	1	1	0	0	1	0
1	0	0	0	0	0	0	1
1	0	0	1	0	0	0	0

$b'0 = \sim b0$

$b'1 = b1$

$b'2 = b2 \text{ XOR } b1$

$b'3 = b3 \text{ And } b2 \text{ And } b1$