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A:

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

$$A = \overline{b_2} \overline{b_1} + b_2 + \overline{b_2} b_1 + b_1 \overline{b_0}$$

B:

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

$$B = \sum m(0, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)$$

$$\overline{B} = b_3 + b_2 + \overline{b_1} \overline{b_0}$$

C:

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

$$C = \sum m(0, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15)$$

$$\overline{C} = \overline{b_2} + \overline{b_2} b_0 + \overline{b_1} \overline{b_0} + b_1 b_0$$

D:

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

$$D = \sum m(0, 1, 2, 3, 4, 7, 8, 9)$$

$$\overline{D} = \overline{b_2} \overline{b_0} + \overline{b_1} \overline{b_2} + \overline{b_3} \overline{b_1} \overline{b_0} + \overline{b_3} b_1 b_0$$

E:

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

$$E = \sum m(0, 2, 6, 8, 10, 11, 12, 13, 14, 15)$$

$$\overline{E} = b_3 b_2 + b_3 b_1 + b_1 \overline{b_0} + \overline{b_2} \overline{b_0}$$