

5 - Minuend - m  
 -3 - Subtrahend - n  
 2 - Difference - d

Bin	m	n	d	Bout
0	0	0	0	0
0	0	1	1	1
0	1	0	1	0
0	1	1	0	0
1	0	0	1	1
1	0	1	0	1
1	1	0	0	0
1	1	1	1	1

Subtractor

$$d = \bar{b}_i \bar{m} n + \bar{b}_i m \bar{n} + b_i \bar{m} \bar{n} + b_i m n$$

$$b_{out} = \bar{b}_i \bar{m} n + \bar{b}_i m \bar{n} + b_i \bar{m} n + b_i m n$$