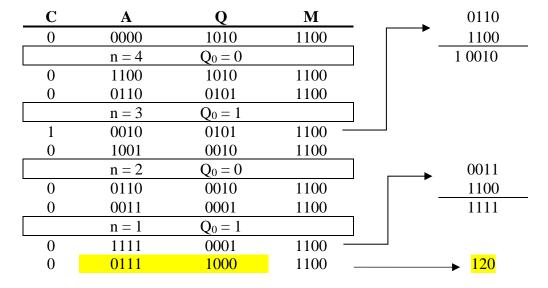
## KHILYATIN ULIN FITRI – L200154001 HOMEWORK ORGANISASI DAN ARSITEKTUR KOMPUTER

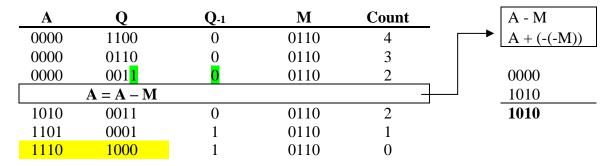
### 1. $12 \times 10 = 120$



# 2. $(-12) \times 10$

A	Q	Q-1	$\mathbf{M}$	Count	_ A - M
0000	0100	0	1010	4	
0000	0010	0	1010	3	
0000	000 <mark>1</mark>	<mark>0</mark>	1010	2	0000
	$\mathbf{A} = \mathbf{A} - \mathbf{M}$			_	0110
0110	0001	0	1010	2	0110
0011	000 <mark>0</mark>	<mark>1</mark>	1010	1	
	$\mathbf{A} = \mathbf{A} + \mathbf{M}$				<b>→</b> A + M
1101	0000	1	1010	1	0011
1110	1000	0	1010	0	1010
					1101

# 3. $12 \times (-10)$



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4.  $(-12) \times (-10)$ 

A	Q	Q-1	$\mathbf{M}$	Count	A - M
0000	0100	0	0110	4	A + (-(-M))
0000	0010	0	0110	3	
0000	000 <mark>1</mark>	<u>0</u>	0110	2	0000
	$\mathbf{A} = \mathbf{A} - \mathbf{M}$			_	1010
1010	0001	0	0110	2	1010
1101	000 <mark>0</mark>	<u>1</u>	0110	1	
	$\mathbf{A} = \mathbf{A} + \mathbf{M}$				<b>→</b> A + M
0011	0000	1	0110	1	1101
0001	1000	0	0110	0	0110
					1 0011