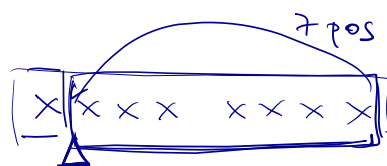


$$X = -\frac{45}{128} \quad Y = +\frac{9}{64}$$



$$\frac{45 - 32}{13}$$

$$\underbrace{10101101}_{-45} \Rightarrow \underbrace{10101101}_{-\frac{45}{128}}_{s+1} = \boxed{11010011}_{c2}$$

1100

$$\frac{45 \times 4}{18}$$

$$\frac{0.76}{0.760} \quad -\frac{45}{128}$$

$$\frac{360}{45} = 810$$

$$\underbrace{0001001}_9 \Rightarrow \boxed{00010010}_{s+1, c2} = +\frac{9}{64}$$

$$+\frac{18}{128}$$

$$P = -\frac{810}{2^{14}}$$

$$- \frac{1620}{2^{15}}$$

COUNT	A	Q	Q-1	M
000 +	$\begin{array}{r} 0000 \ 0000 \\ 1110 \ 1110 \\ \hline 1110 \ 1110 \\ 1111 \ 0111 \end{array}$	$\begin{array}{r} 1101 \ 0011 \\ \hline 0110 \ 1001 \end{array}$	0, 1	0001 0010
001	1111 1011	1011 0100	1	
010 +	$\begin{array}{r} 0001 \ 0010 \\ \hline 0000 \ 1101 \\ 0000 \ 0110 \end{array}$	$\begin{array}{r} 1101 \ 1010 \\ \hline 0110 \ 1101 \end{array}$	0, 0	
011	0000 0011	0110 1101	0	
100 +	$\begin{array}{r} 1110 \ 1110 \\ \hline 1111 \ 0001 \\ 1111 \ 1000 \end{array}$	$\begin{array}{r} 1011 \ 0110 \\ \hline 101 \ 1011 \end{array}$	1, 0	
101 +	$\begin{array}{r} 0001 \ 0010 \\ \hline 0000 \ 1010 \\ 0000 \ 0101 \end{array}$	$\begin{array}{r} 101 \ 1011 \\ \hline 1010 \ 1101 \end{array}$	0, 1	
110 +	$\begin{array}{r} 1110 \ 1110 \\ \hline 1111 \ 0011 \\ 1111 \ 1001 \end{array}$	$\begin{array}{r} 1010 \ 1101 \\ \hline 1010 \ 1101 \end{array}$	1, 1	
111	$\begin{array}{r} 1111 \ 1001 \\ \hline 1111 \ 1001 \end{array}$	$\begin{array}{r} 1010 \ 1101 \\ \hline 1010 \ 1101 \end{array}$	1, 1	

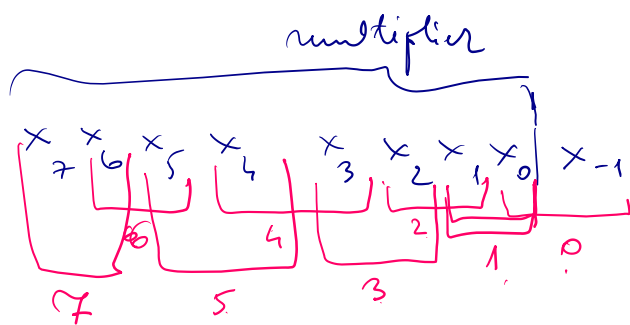
$$-M = 11101110$$

i i-1

$$\underbrace{11111001 \ 10101011}_{SM} c_1$$

$$-\frac{1620}{2^{15}}$$

$$\begin{array}{r} 20+ \\ 64 \\ 512 \\ 1024 \\ \hline 1620 \end{array}$$



$x_i$	$x_{i-1}$	OP
0	0	0
0	1	1
1	0	$\bar{1}$
1	1	0

$$\begin{array}{cccccccc}
 & 7 & 6 & 5 & 4 & 3 & 2 & 1 & 0 \\
 X = & 1 & 1 & 0 & 1 & 0 & 0 & 1 & 1 & 0
 \end{array}$$

$$X_B = \boxed{0 \bar{1} 1 \bar{1} \quad 0 1 0 \bar{1}} \text{ code}$$



