

$$\textcircled{1} \quad m_{\text{card}} = -1/4$$

$$m_{\text{plier}} = -3/4$$

$$+1/4 = 0.010$$

$$+3/4 = 0.110$$

$$-1/4 = 1.110$$

$$-3/4 = 1.010$$

State	A	B	f_n
0	0000	1010	Load
1	$\begin{array}{r} 0000 \\ + 1110 \\ \hline 1110 \end{array}$	0101	Sh
2	1110 \rightarrow		
2	1111	0010	Ad Sh
3	$\begin{array}{r} 1111 \\ + 0010 \\ \hline 0001 \end{array}$	1001	Sh
	0001 \rightarrow		
4	0000	1100	Cm Ad Sh
$0.001100 = +3/16 \checkmark$			

② BCD Adder

$$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 1000 \\ + 0111 \\ \hline 1111 > 9 \\ + 0110 \\ \hline 10101 \\ \hline 1 \quad 5 \quad \checkmark \end{array}$$

