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2C.2.1.

~ Jemă ~

$$(1000\ 0000) \\ -128 + 11\ (8+2+1)$$

$$X = -117 \Rightarrow X_{c_2} = 1\ 000\ 1011$$

$$Y = -99 \Rightarrow Y_{c_2} = 1\ 001\ 1101$$

$$-Y = 0\ 110\ 0011$$

$$-128 + 29 \\ \quad \quad \quad \wedge \\ \quad \quad \quad 16 + 8 + 4 + 1$$

CNT	A	a	a[-]	M
000	$\begin{array}{r} 0000\ 0000 \\ + 011\ 0\ 0011 \\ \hline 0110\ 0011 \\ \downarrow \\ 0011\ 0001 \end{array}$	$\begin{array}{r} 1000\ 1011 \\ \hline 1100\ 0101 \end{array}$	$\begin{array}{r} 0 \\ -Y \\ \hline 1 \end{array}$	1001 1101
001	0001 1000	$\begin{array}{r} 1110\ 0010 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +Y \\ \hline \end{array}$	
010	$\begin{array}{r} +1001\ 1101 \\ \hline 1011\ 0101 \\ \downarrow \\ 1101\ 1010 \end{array}$	$\begin{array}{r} 1111\ 0001 \\ \hline \end{array}$	$\begin{array}{r} -Y \\ \hline 0 \end{array}$	
011	$\begin{array}{r} +0110\ 0011 \\ \hline 0011\ 1101 \\ \downarrow \\ 0001\ 1110 \end{array}$	$\begin{array}{r} 1111\ 1000 \\ \hline \end{array}$	$\begin{array}{r} +Y \\ \hline 1 \end{array}$	
100	$\begin{array}{r} +1001\ 1101 \\ \hline 1011\ 1011 \\ \downarrow \\ 1101\ 1101 \end{array}$	$\begin{array}{r} 1111\ 1100 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \hline \end{array}$	
101	1110 1110	$\begin{array}{r} 1111\ 1110 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \hline \end{array}$	
110	$\begin{array}{r} 1111\ 0111 \\ \hline \end{array}$	$\begin{array}{r} 0111\ 1111 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ -Y \\ \hline \end{array}$	

$$\begin{array}{r|l}
 111 & +0110\ 0011 \\
 \hline
 & 0101\ 1010 \\
 & \downarrow \\
 & 0010\ 1101 \quad 0011\ 1111
 \end{array}$$

$$P = \overset{13}{0}\overset{12}{0}\overset{11}{1}\overset{10}{0}\overset{9}{1}\overset{8}{0}\overset{7}{0}\overset{6}{0}\overset{5}{1}\overset{4}{1}\overset{3}{1}\overset{2}{1}\overset{1}{1}\overset{0}{1} = 2^{13} + 2^{11} + 2^{10} + 2^8 + 2^5 + 2^4 + 15$$

$$P = (-99) \cdot (-117) = 11583 \quad \checkmark$$

$$= 2^{10} (8 + 2 + 1) + 256 + 32 + 16 + 15$$

$$= 1024 \cdot 11 + 319 = 11264 + 319$$

$$= 11583 \quad \checkmark$$