

$$C+C+1 \rightarrow 12+12+1 = 25 = 16+9 \rightarrow 19$$

$$9 + 9 = 18 = 16 + 2 \rightarrow 12$$

two's complement \rightarrow ff B5

* recall, that for subtraction,
a carry out \Rightarrow NO OVERFLOW

NO
OVERFLOW

$$\begin{array}{r}
 1111 \\
 + 1111 \\
 \hline
 1110
 \end{array}$$
 YES
OVERFLOW

$$(1111)_{10} = (2121)_3$$

$$\begin{array}{r} 0 \text{ r } 2 \\ 8 \overline{) 2} \text{ r } 1 \\ 8 \overline{) 17} \text{ r } 2 \\ 8 \overline{) 138} \text{ r } 7 \\ 8 \overline{) 1111} \end{array}$$

