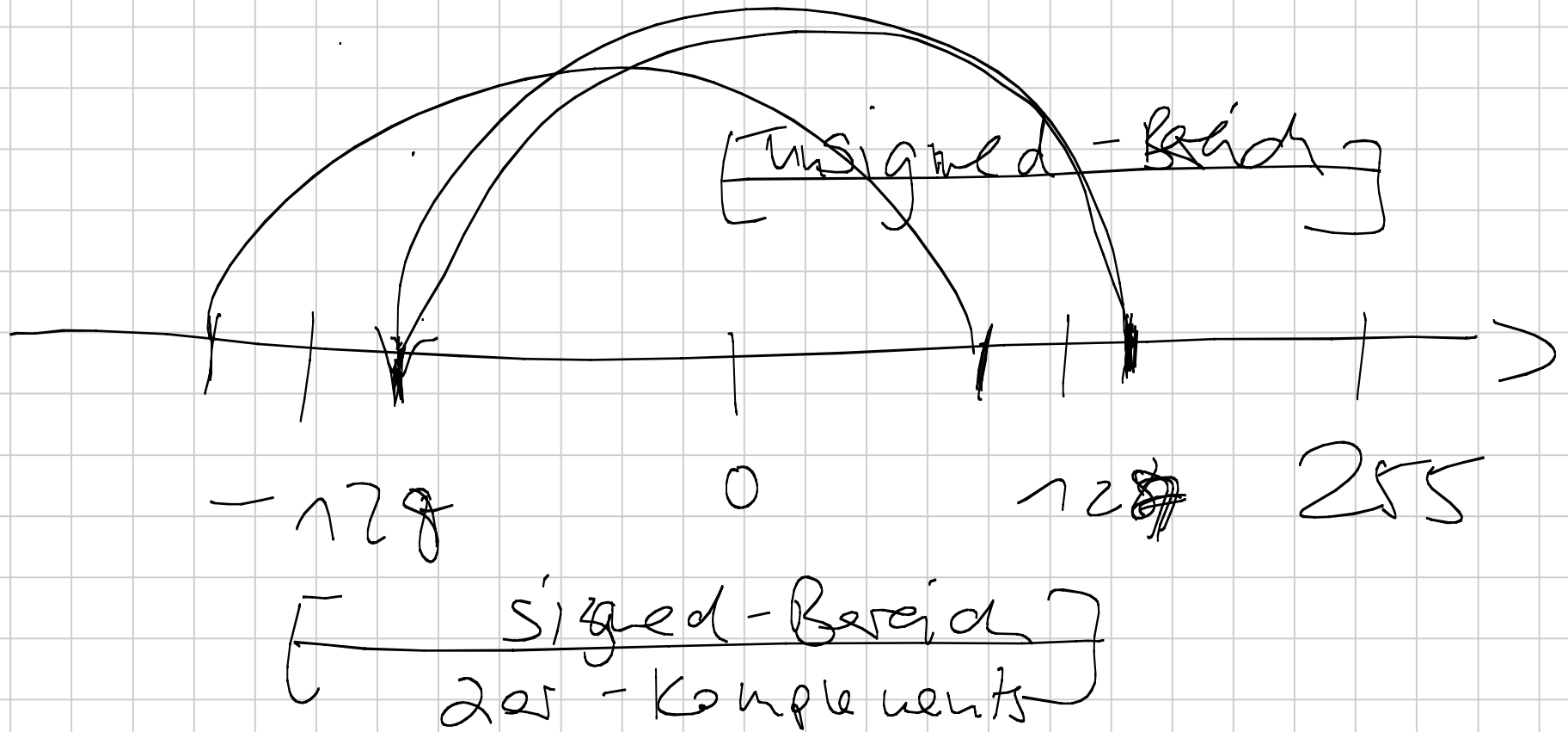


Überschlauf mit 2's-Komplement



→ 120_{10}

$$X_2 = 2^4 + x$$

positiv

$$\begin{array}{r} 120_{10} = \textcircled{0}1111000 \\ \underline{10000111 \text{ (Negierung)}} \\ + 00000001 \\ \hline \textcircled{1}0001000 \end{array} \hat{=} -120_{10}$$

negativ

$123 + 9 = 132$

$$\begin{array}{r} 123_{10} \hat{=} 01111011 \\ + 9_{10} \hat{=} 00001001 \\ \hline \textcircled{1}0000100_2 \end{array} = -124_{10}$$

$$\begin{array}{r}
 10000100 \\
 \hline
 01111011 \quad (\text{Keg.}) \\
 40000001 \\
 \hline
 01111100_2 = 124_{10}
 \end{array}$$