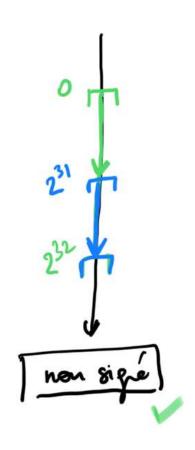
Nombres décadiques

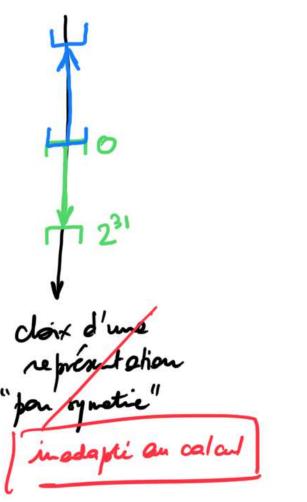
$$\frac{1}{100} = \frac{1}{1000}$$

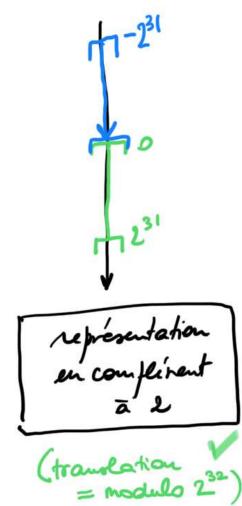
$$\frac{1}{1000} = \frac{1}{1000}$$

Représentation des entiers (positifs ou quelconques) en machine

32 hits.







Arithmétique en complément à 2 (ici sur 8 bits)

$$\begin{array}{c}
16 + 24 = ? \\
00010000 \\
+ 00011000 \\
\hline
(00010000)_{2} = (40)_{10}
\end{array}$$

$$\begin{array}{c}
(00010000)_{2} \\
+ (11101000)_{2}
\end{array}$$

$$\begin{array}{c}
(24)_{40} = (00011000)_{2}
\end{array}$$

$$\begin{array}{c}
(24)_{40} = (00011000)_{2}
\end{array}$$

$$\begin{array}{c}
(11101000)_{2} = (-24)_{10}
\end{array}$$

$$\begin{array}{c}
(27)_{40} = (11111000)_{2}
\end{array}$$

$$\begin{array}{c}
(28)_{10} \text{ donc } ?=-8
\end{array}$$

Norme IEEE 754 - binary32

Excodons
$$(-118,625)_{10}$$

118 $\frac{2}{59}$
 $\frac{2}{129}$
 $\frac{2}{129}$