

Reken de binaire getallen om naar decimale getallen:

10110       $\begin{matrix} \textcircled{16} & 8 & \textcircled{4} & \textcircled{2} & 1 \\ 1 & 0 & 1 & 1 & 0 \end{matrix}$       22

11       $\begin{matrix} \textcircled{2} & \textcircled{1} \\ 1 & 1 \end{matrix}$       3

101       $\begin{matrix} \textcircled{4} & 2 & \textcircled{1} \\ 1 & 0 & 1 \end{matrix}$       5

110111       $\begin{matrix} \textcircled{32} & \textcircled{16} & 8 & \textcircled{4} & \textcircled{2} & \textcircled{1} \\ 1 & 1 & 0 & 1 & 1 & 1 \end{matrix}$       55

1010100       $\begin{matrix} \textcircled{64} & 32 & \textcircled{16} & 8 & \textcircled{4} & 2 & 1 \\ 1 & 0 & 1 & 0 & 1 & 0 & 0 \end{matrix}$       84

Reken de decimale getallen om naar binaire getallen:

5       $\begin{matrix} 8 & \textcircled{4} & 2 & \textcircled{1} \\ \underline{\underline{101}} \end{matrix}$        $\frac{5}{4} = 1$

12       $\begin{matrix} 16 & \textcircled{8} & \textcircled{4} & 2 & 1 \\ \underline{\underline{1100}} \end{matrix}$        $\frac{12}{8} = 4$

200       $\begin{matrix} \textcircled{128} & \textcircled{64} & 32 & 16 & \textcircled{8} & 4 & 2 & 1 \\ \underline{\underline{11001000}} \end{matrix}$        $\frac{200}{128} = 7 \frac{72}{128} = 7 \frac{9}{16} = 7 \frac{64}{128} = 7 \frac{8}{16} = 7 \frac{1}{2}$

67       $\begin{matrix} \textcircled{64} & 32 & 16 & 8 & 4 & \textcircled{2} & \textcircled{1} \\ \underline{\underline{1000011}} \end{matrix}$        $\frac{67}{64} = 3$

44       $\begin{matrix} \textcircled{32} & 16 & \textcircled{8} & \textcircled{4} & 2 & 1 \\ \underline{\underline{101100}} \end{matrix}$        $\frac{44}{32} = 1 \frac{12}{32} = 1 \frac{3}{8} = 1 \frac{4}{16} = 1 \frac{1}{4}$