

$$\begin{array}{r}
 9851 \text{ } \underline{\text{ } / 2} \\
 9850 \quad \underline{4925 \text{ } / 2} \\
 \hline 1 \quad \underline{4924 \text{ } / 2} \\
 \hline \quad \quad \underline{2462 \text{ } / 2} \\
 \hline \quad \quad \quad \underline{1231 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \underline{615 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \underline{307 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \underline{153 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \underline{76 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \underline{38 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \quad \underline{19 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \underline{9 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \underline{4 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \underline{2 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \underline{1 \text{ } / 2} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \underline{0 \text{ } / 2}
 \end{array}$$

$$9851_{10} = 10011001111011_{2}$$

$$\begin{aligned}
 10011001111011_{2} &= 1 \cdot 2^{13} + 0 \cdot 2^{12} + 0 \cdot 2^{11} + 1 \cdot 2^{10} + 1 \cdot 2^9 + 0 \cdot 2^8 + 0 \cdot 2^7 + 1 \cdot 2^6 + 1 \cdot 2^5 + \\
 &+ 1 \cdot 2^4 + 1 \cdot 2^3 + 0 \cdot 2^2 + 1 \cdot 2^1 + 1 \cdot 2^0 = 8192 + 1024 + 512 + 64 + 32 + \\
 &+ 16 + 8 + 2 + 1 = 9851_{10}
 \end{aligned}$$

$$\begin{array}{r}
 9851 \text{ } \underline{\text{ } / 8} \\
 9848 \quad \underline{1231 \text{ } / 8} \\
 \hline 3 \quad \underline{1224 \text{ } / 8} \\
 \hline \quad \quad \underline{153 \text{ } / 8} \\
 \hline \quad \quad \quad \underline{152 \text{ } / 8} \\
 \hline \quad \quad \quad \quad \underline{19 \text{ } / 8} \\
 \hline \quad \quad \quad \quad \quad \underline{16 \text{ } / 8} \\
 \hline \quad \quad \quad \quad \quad \quad \underline{2 \text{ } / 8} \\
 \hline \quad \quad \quad \quad \quad \quad \quad \underline{3 \text{ } / 8}
 \end{array}$$

$$9851_{10} = 23173_{8}$$

$$\begin{aligned}
 23173_{8} &= 2 \cdot 8^4 + 3 \cdot 8^3 + 1 \cdot 8^2 + 7 \cdot 8^1 + 3 \cdot 8^0 = 8192 + 1536 + 64 + 56 + 3 = \\
 &= 9851_{10}
 \end{aligned}$$

$$\begin{array}{r}
 9851 \text{ } \underline{\text{ } / 16} \\
 9840 \quad \underline{615 \text{ } / 16} \\
 \hline 11 \quad \underline{608 \text{ } / 16} \\
 \hline \quad \quad \underline{38 \text{ } / 16} \\
 \hline \quad \quad \quad \underline{32 \text{ } / 16} \\
 \hline \quad \quad \quad \quad \underline{2 \text{ } / 16} \\
 \hline \quad \quad \quad \quad \quad \underline{6 \text{ } / 16}
 \end{array}$$

$$9851_{10} = 267B_{16}$$

$$\begin{aligned}
 267B_{16} &= 2 \cdot 16^3 + 6 \cdot 16^2 + 7 \cdot 16^1 + 11 \cdot 16^0 = 8192 + 1536 + 112 + 11 = \\
 &= 9851_{10}
 \end{aligned}$$