

$$\begin{aligned}
 (101011)_2 &\rightarrow 1 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + 0 \times 2^2 \\
 &\quad + 1 \times 2^1 + 1 \times 2^0 \\
 &\rightarrow 32 + 8 + 0 + 2 + 1 \\
 &\rightarrow \underline{\underline{(43)_{10}}}
 \end{aligned}$$

$$(101011)_2 \rightarrow \underline{\underline{(2B)_{16}}}$$

$$(93)_{10} \rightarrow 64 + 16 + 8 + 4 + 1 \rightarrow \underline{\underline{(1011101)_2}}$$

$$(93)_{10} \rightarrow 16 \times 5 + 13 \rightarrow \underline{\underline{(5D)_{16}}}$$