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Kelas : A2

Tugas 2

1) Konversi kebinet nilai 128 [2 digit nim]

2) Konversi hasil no 1 dari binet ke desimal

$$128 + 71 = 199$$

$$\begin{array}{r} 199 \\ 2 \overline{) 99} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array} = 1110001$$

$$\begin{array}{r} 199 \\ 2 \overline{) 49} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$$

$$\begin{array}{r} 199 \\ 2 \overline{) 24} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$$

$$\begin{array}{r} 199 \\ 2 \overline{) 12} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$$

$$\begin{array}{r} 199 \\ 2 \overline{) 6} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$$

$$\begin{array}{r} 199 \\ 2 \overline{) 3} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$$

$$\begin{array}{r} 199 \\ 2 \overline{) 1} \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 1 \end{array}$$

$$\begin{aligned} 2. \quad & 1110001_2 \\ &= 1 \times 2^7 + 1 \times 2^6 + 1 \times 2^5 + 0 \times 2^4 + 0 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 0 \times 2^0 \\ &= \cancel{64} + \cancel{32} + 32 + 0 + 0 + 0 + 2 + 0 \\ &= 128 + 64 + 32 + 0 + 0 + 0 + 2 + 0 \\ &= 226 \end{aligned}$$