

$$e) 56_{10}$$

$$\begin{array}{r} 56 \text{ } 28 \\ 0 \text{ } 7 \end{array}$$

$$56_{10} = 40_8$$

$$d) 64_{10}$$

$$\begin{array}{r} 64 \text{ } 28 \\ 0 \text{ } 8 \text{ } 28 \\ 0 \text{ } 1 \end{array}$$

$$64_{10} = 100_8$$

1.6.9

$$a) 21_8$$

$$\begin{array}{r} 2 \text{ } 1 \\ 010 \text{ } 001 \end{array}$$

$$21_8 = 10001_2$$

$$b) 25_8$$

$$\begin{array}{r} 2 \text{ } 5 \\ 010 \text{ } 101 \end{array}$$

$$25_8 = 10101_2$$

$$c) 28_8$$

$$d) 12_8$$

$$\begin{array}{r} 4 \text{ } 2 \\ 001 \text{ } 010 \end{array}$$

$$12_8 = 1010_2$$

$$e) 27_8$$

$$\begin{array}{r} 2 \text{ } 7 \\ 010 \text{ } 111 \end{array}$$

$$27_8 = 10111_2$$

1.6.10

$$a) 100111_2 = \underbrace{100}_4 \underbrace{111}_7 = 47_8$$

$$b) 100101_2 = \underbrace{100}_4 \underbrace{101}_5 = 45_8$$

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