

$$d) (D1EAC9.BFE7)_{16} = (64365311.577634)_8 \text{ (2)}$$

$$= (110100011110101011001001.10111111111100111)_2$$

$$(64365311.577634)_8$$

$$e) (321013220.0133221)_4 =$$

$$(111001000111101000.0001111101001)_2$$

$$= (710750.07722)_8$$

$$\textcircled{4} a) \begin{array}{r} 11111111 \\ FDAE9B.BCD_{16} \\ + 1DECCE.DFBD_{16} \\ \hline (11B9B6A.9C5D)_{16} \end{array}$$

$$b) \begin{array}{r} 11111111 \\ 7756515.7745_8 \\ + 7376610.66145_8 \\ \hline (17355326.65615)_8 \end{array}$$

$$c) \begin{array}{r} 1011AE.001_{16} \\ - FBC9E.ECA9_{16} \\ \hline (550F.1367)_{16} \end{array}$$

$$e) \begin{array}{r} 100100101.0001_2 \\ - 11111001.11011_2 \\ \hline (101011.00111)_2 \end{array}$$

$$d) \begin{array}{r} 10110101101.10111_2 \\ + 11011101111.1001_2 \\ \hline (110010011101.01001)_2 \end{array}$$

$$\textcircled{5} a) x+y \rightarrow \begin{array}{l} -(01110100)_2 = (10001100) = -(116)_{10} = -(74)_{16} \\ (00011101)_2 = 00011101 = (29)_{10} = (1D)_{16} \\ (01010111) \leftarrow (10101001) = -(87)_{10} = -(57)_{16} \end{array}$$

$$b) x-y \rightarrow \begin{array}{l} 10001100 \\ 128+17=145 \\ 01001001 \leftarrow 11100011 \\ 10110111 \end{array} = -(145)_{10} = -(91)_{16}$$

$$c) y-x \rightarrow \begin{array}{r} 00011101 \\ + 01110100 \\ \hline 10010001 = +(145)_{10} = +(91)_{16} \end{array}$$

1

$$\begin{array}{r} 1024 \text{ --- } 10 \\ 64 \text{ --- } 6 \\ \hline 1088 \\ 16 \text{ --- } 4 \\ \hline 1104 \\ 4 \text{ --- } 2 \\ \hline 1108 \\ 2 \text{ --- } 1 \\ \hline 1110 \end{array}$$

$$0,6832 \times 2 = 1,3664 \quad (\Delta - 10) = 1$$

c) 6666778

0 7 17 31 42 55 64

(3) (1) (2) (4) (5) (4) (0)

$= (4452143)_6$