

Bài 9:

$$+) 7654_{(8)} = 4 + 5 \cdot 8 + 6 \cdot 8^2 + 7 \cdot 8^3$$

$$\begin{array}{r|l} 4012_{(10)} & 16 \\ \hline 12 & 256 \\ \hline 10 & 15 \\ \hline 15 & 0 \end{array}$$

$$\rightarrow 7654_{(8)} = FAC_{(16)}$$

$$+) 1327_{(8)} = 7 + 8 \cdot 2 + 8^3 \cdot 3 + 8^4$$

$$= 727_{(10)}$$

$$\begin{array}{r|l} 7 & 16 \\ \hline 45 & 16 \\ \hline 13 & 2 \\ \hline 2 & 0 \end{array}$$

$$\rightarrow 1327_{(8)} = 2D7_{(16)}$$

$$+) 4442_{(8)} = 2338_{(10)}$$

$$\begin{array}{l} 2338 : 16 = 146 \text{ dư } 2 \\ 146 : 16 = 9 \text{ dư } 2 \\ 9 : 16 = 0 \text{ dư } 9 \end{array}$$

$$\rightarrow 4442_{(8)} = 922_{(16)}$$

$$+) 305_{(8)} = 197_{(10)}$$

$$\begin{array}{l} 197 : 16 = 12 \text{ dư } 5 \\ 12 : 16 = 0 \text{ dư } 12 \end{array}$$

$$\rightarrow 305_{(8)} = C5_{(16)}$$

$$\begin{aligned}
 +) \quad 1573_{(8)} &= 3 + 7 \cdot 8 + 5 \cdot 8^2 + 1 \cdot 8^3 \\
 &= 891_{(10)}
 \end{aligned}$$

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graph LR
    A[891] --> B["891 : 16 = 55 dư 11"]
    A --> C["55 : 16 = 3 dư 7"]
    A --> D["3 : 16 dư 3"]
  
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$$\rightarrow 1573_{(8)} = 37B_{(16)}$$