

i.?

מיליון מיליון 2.2

$$\textcircled{1} \textcircled{x} (251.6)_3 = 1 \times 3^0 + 5 \times 3^1 + 2 \times 3^2 + 6 \times 3^{-1} =$$

$$1 + 35 + 98 + \frac{6}{3} = 134 \frac{6}{3} = 134.8541$$

$$(134.854)_10 = \sim 10^N$$

$$\textcircled{2} (413.62)_3 = 3 \times 3^0 + 1 \times 3^1 + 4 \times 3^2 + 6 \times 3^{-1} + 2 \times 3^{-2} =$$

$$3 + 3 + 196 + \frac{6}{3} + \frac{2}{9} = 206.8979$$

$$\frac{42}{99} + \frac{2}{99} = \frac{44}{99}$$

$$(206.898)_10 = \sim 10^N$$

$$\textcircled{2} \textcircled{F} (4C.2E)_{16} = C \times 16^0 + 4 \times 16^1 + 2 \times 16^{-1} + E \times 16^{-2} =$$

$$12 + 64 + \frac{2}{16} + \frac{14}{256} = 76 + \frac{32}{256} + \frac{14}{256} = 76 \frac{46}{256}$$

$$76.1796$$

$$(76.18)_{10} = \sim 10^N$$

$$\textcircled{2} (A5.B2)_{16} = 5 \times 16^0 + A \times 16^1 + B \times 16^{-1} + 2 \times 16^{-2} =$$

$$5 + 160 + \frac{11}{16} + \frac{2}{256} = 165 + \frac{176}{256} + \frac{2}{256} =$$

$$165.6953$$

$$(165.695)_{10} = \sim 10^N$$

$$\textcircled{3} \textcircled{K} 10111.001 = 1 \times 2^0 + 1 \times 2^1 + 1 \times 2^2 + 0 \times 2^3 + 1 \times 2^4 +$$

$$0 \times 2^{-1} + 0 \times 2^{-2} + 1 \times 2^{-3} =$$

$$1 + 2 + 4 + 16 + \frac{1}{8} = 23 \frac{1}{8} = (23.125)_{10}$$

3 סיביות

3

$$101101.01 =$$

$$1 \times 2^0 + 0 \times 2^1 + 1 \times 2^2 + 1 \times 2^3 + 0 \times 2^4 + 1 \times 2^5 + 1 \times 2^{-2} =$$

$$1 + 4 + 8 + 32 + \frac{1}{4} = (45.25)_{10}$$

4

10

סיביות 0.025

$$\begin{array}{c} 11101101.0010 \\ \hline 14=E \quad 13=D \quad 2 \end{array}$$

$$(ED.2)_{16}$$

סיביות 0.025

$$\begin{array}{c} 011101101.001 \\ \hline 3 \quad 5 \quad 5 \quad . \quad 1 \end{array}$$

$$(355.1)_8$$

7

$$\begin{array}{c} 101011010100 \\ \hline 10=A \quad 13=0 \quad 4 \end{array}$$

$$(A0.4)_{16}$$

$$\begin{array}{c} 010101101010 \\ \hline 2 \quad 5 \quad 5 \quad . \quad 2 \end{array}$$

$$(255.2)_8$$

5

8

$$4 \times 0.025$$

212.1

$$\begin{array}{r} 120 \\ + 22 \\ \hline 202 \end{array}$$

100

$$\begin{array}{r} 120 \\ \times 22 \\ \hline 300 \\ 3000 \\ \hline 3300 \end{array}$$

6 0.025

$$\begin{array}{r} 105.3 \\ + 23.1 \\ \hline 132.4 \end{array}$$

$$\begin{array}{r} 105.3 \\ \times 23.1 \\ \hline 1053 \\ 32430 \\ 215000 \\ \hline 2525.23 \end{array}$$

5 פור קאן

②

קאן

פא

5 000

$$\begin{array}{r} 112 \\ + 13 \\ \hline 130 \end{array}$$

$$\begin{array}{r} 112 \\ \times 13 \\ \hline 341 \\ 1120 \\ \hline 2011 \end{array}$$

③

16 000

$$\begin{array}{r} 30 \\ + 28 \\ \hline 67 \end{array}$$

$$\begin{array}{r} 30 \\ \times 28 \\ \hline 240 \\ 380 \\ \hline 1014 = \\ A 14 \end{array}$$

④

2 000

$$\begin{array}{r} 110 \\ + 101 \\ \hline 10011 \end{array}$$

$$\begin{array}{r} 110 \\ \times 101 \\ \hline 110 \\ 0000 \\ 11000 \\ \hline 1000110 \end{array}$$