ASSignment -I

Number System

Week-O

$$(1111100111)_{2} = (999)_{10}$$

$$3 (9910)_{10} = (?)_{8}$$

$$\begin{array}{c|c}
8 & 13 \\
\hline
 & 15 \\
\hline
 & 15$$

1 | 1 | 1 | 1 | 1 | 0 2048 1024 572 256 128 64 32 16 8 4 2 1

(L1094)10/

(mogy) 10 = (1111 1111 110)2/

$$f(0 \times 2 B)_{16} = (?)_{8}$$



$$(0x28) = (53)_8$$

. 3	5.610
3	1870 0
3	623
_3	2092
3	3 690
	3 23 0
	3 2 -
	2_

$$\frac{16 | 5610}{16 | 350 | 5(4)}$$

$$\frac{16 | 21 | 14(\epsilon)}{15 | 5}$$

$$0.34 \times 2 = 0.68$$
 0
 $0.68 \times 1 = 1.36$ 1
 $0.36 \times 2 = 0.72$ 0
 $0.72 \times 2 = 1.44$ 1

$$0.1113 = 0.360$$

0.34
$$\times 8 = 2.72$$
 2
0.72 $\times 8 = 5.76$ 5
0.76 $\times 8 = 6.08$ 6 $(34.34)_{10}$
0.08 $\times 8 = 0.64$ 0 $= (42.256)_{8}$

$$\frac{16 |34}{|322}$$

$$(34)_{10} = (22)_{10}$$

$$(125, 125)_{10} = (20122.0101)_3$$

 $(125, 125)_{10} = (?)_8$

$$(125.125)_{10} = (175.1)_{8}$$

$$(10.16)_{10} = (?)_{3}$$

$$\frac{310}{31}$$

$$(10)_{12} = (31)_{3}$$

$$0.16 + 3 = 0.48$$

$$0.48 + 3 = 1.44$$

$$0.44 + 3 = 1.32$$

$$0.32 + 3 = 0.96$$

$$(10.16)_{10} = (31.016)_{3}$$

$$(10.16)_{10} = (?)_{8}$$

$$\frac{810}{12}$$

$$(10)_{10} = (?)_{8}$$

$$0.16 + 8 = 1.28$$

$$0.18 + 8 = 2.24$$

$$0.12 + 8 = 2.24$$

$$0.12 + 8 = 1.92$$

$$0.92 + 8 = 1.92$$

$$0.92 + 8 = 1.92$$

$$10.92 + 8 = 1.92$$

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