

zad 1

LISFA

$$a) 12,345 = \underbrace{0,12345}_\text{mantysa} \cdot 10^{\underbrace{2}_\text{cifra}}$$

$$b) 0,0123345$$

~~$$0,1233 \cdot 10^{-1}$$~~

$$c) 123,4 = 0,1234 \cdot 10^3$$

$$d) 0,00123 = \underbrace{0,123}_\text{mantysa} \cdot 10^2$$

zad 2

mantysa = przedział  $[1,2)$ 

a)

$$(15)_{10} = (1111)_2$$

$$\frac{15}{8} \cdot 2^3 \leftarrow \text{cifra}$$

~~15/8~~

$$\underbrace{(1,111)_2}_\text{mantysa} \cdot 2^3 = \frac{15}{8} \cdot 8 = 15$$

$$(1,111)_2 = 1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} = 1\frac{7}{8} = \frac{15}{8}$$

$$w = m \times 2^c = m \cdot E_c = (1,111)_2 \cdot E(1)_2$$

$$b) (65)_{10} = (10000001)_2$$

$$\frac{65}{64} \cdot 2^6$$

$$(1,0000001)_2 \cdot 2^6 = \frac{65}{64} \cdot 2^6$$

$$w = (1,0000001)_2 \cdot E(1)_2$$

~~$$(1,625)_{10} = (1,1101)_2$$~~

$$w = (1,101)_2 \cdot E(1)_2$$

$$c) (1,625)_{10} = (1,101)_2$$