

# Zad. 1

$$42_8 = 100010_2 = 22_{16}$$

$$255_8 = 10101101_2 = AD_{16}$$

$$3047_8 = 11000100111_2 = 627_{16}$$

$$140336_8 = 1100.0000.1101.1110_2 = CODE_{16}$$

# Zad. 2

	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0
2	3	4	5	6	7	8	9	A	B	C	D	E	F	0	
3	4	5	6	7	8	9	A	B	C	D	E	F	0		
4	5	6	7	8	9	A	B	C	D	E	F	0			
5	6	7	8	9	A	B	C	D	E	F	0				
6	7	8	9	A	B	C	D	E	F	0					
7	8	9	A	B	C	D	E	F	0						
8	9	A	B	C	D	E	F	0							
9	A	B	C	D	E	F	0								
A	B	C	D	E	F	0									
B	C	D	E	F	0										
C	D	E	F	0											
D	E	F	0												
E	F	0													
F	0														

$$\bullet 22_{16} + 8_{16} = 2A_{16}$$

$$\bullet 73_{16} + 2C_{16} = 9F_{16}$$

$$\bullet 7F_{16} + 7F_{16} = FE_{16}$$

$$\bullet C2_{16} + A4_{16} = 166_{16}$$

$$\lceil 7/4 \rceil = 2$$

$$\lceil a/b \rceil = \lfloor a + (b-1)/b \rfloor$$

?

Zat. ze  $a/b$  wtedy

$$a/b = \lceil a/b \rceil$$

Gdy  $a/b$ , to

$$\lfloor a + (b-1)/b \rfloor$$

$$\begin{aligned} \lceil a/b \rceil &= \lfloor a/b \rfloor + 1 = \\ &= \frac{a + b - a \% b}{b} = \\ &= \lfloor \frac{a + (b-1)}{b} \rfloor \end{aligned}$$

Inaczej

$$110010100 / 1000$$

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