

DecimalToHexal

Line	dec	result	factor	digit	Comment
1	22				
3		0			
4			1		
5					22 != 0
7				4	dec % 6
8	3				dec / 6
9		4			
10			10		
5					3 != 0
7				3	dec % 6
8	0				dec / 6
9		34			
10			100		
5					0 == 0

Input	Output
17	25
42	110
69	153
666	3030

OtherToDecimal

Line	other	system	result	factor	digit	Comment
47	35	6				
49			0			
50				1		
51						35 != 0
53					5	other % 10
54	3					other / 10
55			5			
56				6		factor*system
51						3 != 0
53					3	other % 10
54	0					other / 10
55			23			
56				36		factor*system

DecimalToOther

Line	dec	system	result	factor	digit	Comment
33	23	6				
35			0			
36				1		
37						23 != 0
39					5	dec % system
40	3					dec / system
41			5			
42				10		factor * 10
37						3 != 0
39					3	dec % system
40	0					dec / system
41			35			
42				100		factor * 10

ConvertNumberFromSystemToSystem

Line	number	fromSystem	toSystem	result	Comment
30	35	6	10		
32				0	
33				23	OtherToDecimal(35,6)
34				23	DecimalToOther(23,10)
35				23	return

Input	Output
1, 2, 3	1
101, 2, 3	12
17, 10, 16	11
141, 10, 2	10001101