

DecimalToHexal(int dec)

line	dec	result	factor	digit	comment
22	22				
28		0			
29			1		
30					22!=0
32				4	dec%6
33	3				dec/6
34		4			
35			10		
30					3!=0
32				3	dec%6
33	0				dec/6
34		34			
35			100		
30					0==0

Beispiele:

Input	Output
22	34
35	55
60	140
144	400

OtherToDecimal(int other, int system)

line	other	system	result	factor	digit	comments
52	35	6				
54			0			
55				1		
56						35!=0
58					5	other%10
59	3					other/10
60			5			
61				6		factor*system
56						3!=0
58					3	other%10
59	0					other/10
60			23			
61				36		factor*system

DecimalToOther(int dec, int system)

line	dec	system	result	factor	digit	comments
38	23	6				
40			0			
41				1		
42						23!=0
44					5	dec%system
45	3					dec/system
46			5			
47				10		factor*10
42						3!=0
44					3	dec%system
45	0					dec/system
46			35			
47				100		factor*10

ConvertNumberFromSystemToSystem(int number, int fromSystem, int toSystem)

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

Beispiele:

Input	Output
35,6,10	23
75,10,2	1001011
67,8,2	110111
222,3,5	101