GTI Aufgaben Serie 9

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Aufgabe 1.a)

63 = (001 11 111)			
7 = (0111)			
- t2 (1001) := -2			
v = Voca oichen bit			
v × ×			
0 6011 1111	Diridad		
0 0111 111.	Shift		1
0 0000 111.	x= x + (-3)	0111	
0 0000 1111	POLITY VEI	1001	
0 6001 111-	sktt		
0 1010 111-		001	
0 0001 1110		010	
0 0017 110.	shiff		
0 1100 110.	x = x + (-2)	011	
000111106	restorey, = 0 6	7 70	
0 0111 100.	chif b		
0 0000 100.	X=X (-5)	0111	
0 0000 1001	postly /= 1	6000	-
0 0001 000.	shift		_

Aufgabe 1b.)

$6 = 00000110$ $k_2 - 6 = 1010 := -2$ $V $	
V \times Y 0 0110 0100 P_{i} v_{i} d_{i} d_{i	
0 011 0110 $p'vidend$ 0 1110 110. $shift$ 0 1000 110. $x = x + (-z)$ 1110 1 1110 1100 $p'vidend$ 0 1101 100. $p'vidend$ 0 1101 100. $p'vidend$ 0 1101 100. $p'vidend$ 0 1111 100. $p'vidend$ 0 1111 100. $p'vidend$ 0 1111 100. $p'vidend$ 0 1111 100. $p'vidend$ 1 1010 0 1111 100. $p'videndd$ 1 1010 0 1111 100. $p'videndd$ 1 1010 0 1111 100. $p'videndd$ 1 1010 1 1010 0 1111 100. $p'videndd$ 1 1010 1 10	
0 1110 110. Shift 0 1000 110. $x = x + (-z)$ 1110 1 1110 1100 egotiv, $y_0 = 0$ & reduce 0 000 0 1101 100. $x = x + (-z)$ 1101 0 0111 1001 positiv, $y_0 = 1$ 0111 0 1111 001. $x = x + (-z)$ 1111	
0 1000 110. $x = x + (-2)$ 1110 1 1100 1100 $x = x + (-2)$ 1010 0 1101 100. $x = x + (-2)$ 1101 0 0111 1001 $x = x + (-2)$ 1101 0 1111 001. $x = x + (-2)$ 1111	
1 1110 110 (0) regaring $y_0 = 0$ & reduce 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0 6111 100. $x = x + (-z)$ 1101 0 0 101 0 0 101 0 0 101 0 0 101 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 1 0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
0 1001 001. x=x+(-z)	_
1 1111 0010 negation, %=0 & restore 6001	
0 1110 010. shift	
0 0000 010 X = X + (-z) 1110 000 0	
1 1110 010 0 negative, yo = 0 6000	
0 1100 100. shift	
6 0110 100 · X=X+(-5)	
0 0110 100 1 Positiv, yo = 1 -0110	
0 1101 001. shift	
0 0111 001. x=x+(-z) 1101 + 1010	
0 0111 0010 Positiv, You - ON11	

Aufgabe 2.a)

9 =		1 ,	= 2	
J =	_ 10	0111 = '	, -2	
ν	×	Y		
0	0110	0100	Dir. Lend	
0	1100	100.	shift	
b	00 11	100'	x=x+(-z)	61100
0	0011	100 1	1205.4'v, y-1	600M
0	0111	001.	sh'ft	
1	1110	001.	×=×+(-2)	10111
1	1110	0010	regality, y= 0	11110
1	1100	010.	shift	
0	0101	010.	×= ×+ 2	11100
U	0101	0101	position y=1 -	01001
0	1010	1 U A ·	5hift	
0	0001	101 -	X = X+ (-5)	01010
0	0001 1	011	705/1/2/ Y= 1	10801
	4			
	Rest			
	00 U1 11	10 11 11		