$1)$ 25963 \rightarrow BASE 2 25463/2 = 12731 rl 12731/2 = 6365 rl 6365/2 = 3182 rl 3182/2 = 1591 r Ø 1591/2 = 795 rl 795/2 = 397 rl 397/2 = 198 rl 198/2 = 99 vg 99/2 = 49 rl	25963 -7 BASE Q 25963 -7 BASE Q 25963/8 = 3182 r7 3182/8 = 397 r6 397/8 = 99 r. t 49/8 = 6 rl (18 = Ø r6 = [615678] 25963 -7 BASET 25963/5 = 5092 r3 5092/5 = 1018 r2	NO:: DATE: 2 < 4 (4 5 - 0 BASE) 6 2 < 4 (4 3 14 = 1591 F7 3 < 91 14 = 99 F7 9 16 = 6 F 3 (4 16 = 0 F 6 = [4 377 + 6]
99/2 = 24 rI $24/2 = 12 rB$ $12/2 = 6 rB$ $6/2 = 3 rB$ $3/2 = 1 rI$ $1/2 = 6 rI$ $= 11 000 110 1110 1111$ $25463 DBS5 20$ $25463 DBS5 20$ $25463 DBS5 20$ $25463 DBS5 20$	$ \begin{array}{ccccccccccccccccccccccccccccccccccc$	
$\frac{63 20}{3 20} = \frac{3}{9} + \frac{3}{3}$		
	VVICTORY	

	The state of the s		
		NO.: DATE:	
2) $b1414 - 7 BASY 2$ $b1414 - 7 BASY 2$ $b1414 2 = 16738 rg$ $17738 2 = 7869 rg$ $17738 2 = 3934 rl$ $3939 2 = 1967 rg$ $1967 2 = 983 rl$ $963 2 = 491 rl$ $491 2 = 245 rl$ $122 2 = 122 rl$ $122 2 = 122 rl$ $122 2 = 15 rg$ $41 2 = 30 rl$ $30 2 = 15 rg$ $17 2 = 7 rl$ $7 2 = 3 rl$ $3 2 = 1 rl$ $1 2 = 0 rl$ $1 2 = 0 rl$	991 P = G r3 G Y = 7 r5 7 8 = 0 r7 = [753698] 5) 476 -7 BAGE 20 31476 20 = 1573 r16	21476/16 = 1947 PA 1967/16 = 122 PIS 122/16 = 7 PIO 7/16 = 0 P7 = 7 A F4/16	
$\frac{3 474}{3 474} = 385 = 5$ $\frac{3 474}{5} = 4295 + 1$ $\frac{4295}{5} = 259 + 0 $ $\frac{1259}{5} = 251 + 1$ $\frac{125}{5} = 10 + 1$ $\frac{10}{5} = 10 + 0$ $\frac{10}{5} = 2 + 0$ $\frac{15}{2001} = 0 + 1$			
VVICTORY			

		NO.: DATE:
3) 46785 -> BASE 2 46785 2 = 23392 r 23392 2 = 11696 r 6 11696 2 = 5848 + p 5848 2 = 2929 pp 2424 2 = 1462 r 8 1462 2 = 731 r p 731 2 = 365 r 365 2 = 182 r 182 2 = 91 r 0 41 2 = 91 r 0 41 2 = 22 r 22 2 = 11 r 0 11 2 = 5 r 5 2 = 2 r 2 2 = 1 r 0 11 2 = 5 r 5 2 = 2 r 2 2 = 1 r 0 11 2 = 5 r 5 2 = 2339 r 5 2339 20 = 116 r 9 116 20 = 5 r 6 1 20 = 5 r 7 1 20 = 5	46785 8 = 5898 1 5818 8 = 73 10 731 8 = 91 13 11 8 = 1 13 11 8 = 1 13 11 8 = 0 11 (133301) 46785 5 = 1871 72 1871 5 = 14 74 14 5 = 14 74 14 5 = 2 4 74 24 5 = 14 74 24 5 = 2 4 74 24 5 = 2 74 24 5 = 2 74 24 5 = 2 74 24 5 = 2 74 24 74 74 24 74 74 24 75 75 25 75 26 75 27 75 28 75 28 75 29 75 20 75	46785 -7 BAG 16 46785 6 = 2929 1 2924 16 = 182 x 12 182 18 = 11 ro 11 16 = D r 11 = [3 6 C1]
	VVICTORY	

	NO.: 12 DATE:
	Test II
	1. HOHIOHIIOI 2
	*
	$= (1 \times 2^{12}) + (1 \times 2^{10}) + (0 \times 2^{10}) + (1 \times 2^{10}) + (1 \times 2^{10}) + (1 \times 2^{10}) + (0 \times 2^{10}) + (1 \times 2^{10}) + (1$
	(1x25) + (1x24) + (1x23) + (1x2) + (0x2) + (1x2)
	= 4096 + 2048 + 0 + 512 + 256 + 128 + 0 + 32 + 16 + 8 + 4 + 0 + 1
	= 7101 ₁₀
	2. 1011101101111
	2. 1011101101111 = (1x212)+ (0+2")+ (1x2")+ (1x2")+ (1x2")+ (1x2")+ (1x2")+ (1x2")+
	(0x24) + (1x23) + (1x21) + (1x21) + (1x20)
	= 4096 + 0 + 1024 + 512 + 256 + 0 + 64 + 32 + 0 + B + 4 + 2 + 1
	= 5999 10
	3. 1100 1101101101
	= (1x213) + (1x212) + (0x2") + (0x210) + (1x29) + (1x28) + (0x27) + (1x26)
	+ (1x25) + (0x24) + (1x23) + (1x21) + (1x20)
	= 8192+4096+0+6+512+256+0+64+32+0+8+4+0+1
I	= 1316510
	<u>.</u>
	4563578
	$= (4x8^5) + (5x8^4) + (6x8^3) + (3x8^2) + (5x8^1) + (7x8^0)$
	= 131072+ 26480 + 3072 + 192 + 40 + 7
	= 15486310
	2. 723545 8
	$= (7x8^5) + (2x8^4) + (3x8^3) + (5x8^2) + (4x8') + (5x8°)$
	= 229376+ 8192+ 1536 + 320
	= 2547426
	$= (2 \times 8^{5}) + (5 \times 8^{4}) + (4 \times 8^{3}) + (7 \times 8^{2}) + (4 \times 8^{1}) + (2 \times 8^{\circ})$
	= 65536 + 20480 + 2048 + 448 + 32 + 2
]	2 88546 to
	VVICTORY

1	NO.: DATE:		
	TEST		
	1) 597814		
	= (5 x163) + (8 x162) + (15 x161) + (14 x 165)		
	= 20480 + 2048 + 240 + 4		
	= [227 82 10]		
	2) 009816		
	= (12 x 16) + (13 x 142) + (9 x 16) + (8 x 16°)		
	= 49152 + 3728 + 144 + 8 = 52 (e32 to)		
	3) 76 ACD 16		
	=(+x16+)+(6+16)+(10x162)+(10+16)+(11x16)		
	= 458712 + 24576 + 2560 + 192 + 11		
	= [9809110]		
Y	TEST V.		
	SHIFT BY 4 TO THE LEFT IJAM A GOOD CITIZEN COVID WILL END		
	SHIFT BY 6 TO THE RIGHT 2. LOCKDOWN OR MARTIAL LAW		
4	CHIET BY 9 TO THE LEFT 3 XAGI PERKTMNE		
	P, B, C, D, F, F, 6, H, I, J, K, L, M, N, O, P, D, R, S, T, V, V, W, X, 7, Z		
-	0,1,2,5,9,5,6,7,4,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,20		
+	EF WI W CKK7 YEDENAT YEREZ (CILL ALZ)		
,	The state of the s		
X	ED 65 6 MUNI TOZOFKT TUBAT CORR KIJ		
2)			
1	T RD R XFEU T ZK P DVF TEMAL NICE YELL		
72	LOCK DOWN BR MARTIAL LAW		
	HKY62K AT KN IMN PENH HME)		
1	LOCK DOWN OR MARTIAL LAW		
	RULDIUM VX GLZDER RGC		
	OCK DOWN OR MPRTIAL LAW		
E	CFT BYFNE *1 DRIKER CRN		
_	VVICTORY		

	NO.:
	DATE:
N WALLANG	
3)1XAGI PER KTMNE	
ETNC ELA MEPINA	
YAGI PEQ KIMIK	
= DENDURWRZGIK	
XAGI PEQ KTMNE	
EDR X26V HOKOFU	
II : HACH FUNCTION	ALL DE SOURT
m value k value	
1 312 9352195	
2 117 2458730	
-3- 219 1967a62 T8	
9 964 254972341	
Solutions	1 F 1 3 T
+h (4352145) = 43 T2 145 mod 312 = [7]	
2 h (2458730) = 2458730 mod 117 = 92	
3 h (148796 258) =148796258 priod 214 = [132]	
4 h(254872341) = 254672341 mod 964 = [381]	1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
·	
The second secon	
The same of the sa	
	1
The second secon	The state of the s
VVICTORY	