DEMOCRAT 11112 >>> 20 451315318

hash(I) = 11 K % 5 =

	1000
Problem #	1
	0 E >101 ->T
	2
	$3  M  \rightarrow C   \rightarrow R $
	4 [0]
<b>→</b>	D=> hash(4) = 44705 = 4
-)	$E \Rightarrow hash(5) = 55705 = 0$
->	$M \Rightarrow hash(13) = 1439.5 = 3$
->	$0 \Rightarrow hash(15) = 165\%5 = 0$
ー	$C \Rightarrow hash(3) = 38\%5 = 3$
<u> </u>	R => hash (18) = 198705=3
-	A=> hash (11) = 11% 5=1
$\rightarrow$	$T \Rightarrow has (20) = 220\% s = 0$

							c		
18	5	16	21	2.	12	9	3	1	14

18/5/16/3	18/5/16/21/2/12/9/3/1/14					
	hash function = 11K Mod M					
.: Letter	R F P U B L I CAN 6 7 0 7 6 4 3 1 11 10					
function key	670764311110					
Hash table						
M	P If Key hik Bhas value					
0	C look for emply spece in					
3	I K+1, K+2					
4						
5						
6	R					
7	E					
8	U					
9	В					
10	N					
11	A					
12						
13						
14						
, ,						

Problem #3	using the previous REPUBLIC	CAN Table as
<i>→</i>	₱ Insert 11 K mod 16 (	hash (x) + 12) 7016
	R = (11.18) % 16 = 6 $E = 7$	
	P = 0 U= 7 => ((21+13) 01F)0/6 16 =	2
	$B = 6 \Rightarrow ((2+1^2).11)\% = 1$ $L = 4$ $L = 3$	
	$C = 1 \Rightarrow ((3+1^2)11)\% 16 = 1$ $A = 11$	
	N = 10	Hash table
	2	BU
	5	
	6 7	P. E
	9 10	N
	11	A
	13	
	15	

	ANOTHERXM	PL
	1 14 15 20 8 5 18 24 13	16 12
Prob#4	hash function (IIK mod 16	
1100779	nash function ( I k illo a 10	
	$h_2(x) = (k \mod 3) + 1$	
	$A = 11.(1) \mod 16 = 11$	Using sound Lunchon
	N = 14x10 mod 16 = 10	Using second function
	0 = 15 x11 mod 16 = 5	ousin aces
	T = 20×11 mod 16 = 12	
	H = 8 × 11 mod 16 = 8	
	E = 5 × 11 mod 16 = 7	
	R = 18×11 mod 16 = 6	
	$X = 24x11 \mod 16 = 8$	
	Ly h2 = (24 % 3) + 1	= 1
	$M = 13 \times 11 \mod 16 = 15$	
	P = 16x11 mod 16 = 0	
	L = 12×11 mod 16 = 4	
	0	P
		X
	2	
	3	
	4	L
	5	0
111111111111111111111111111111111111111	6	P
	7	E
	8	H
	9	
	10	N
	11	A
	12	T
	13	
	ly	
	15	