	DAA	1
	1002254987 Neel Katzodiya HN-9	1 1 1
11.2-2	Let the table have a slots and let the hash function be	-
	h(k) - k mod 9	
8 3 5	Key: 51 Replace to the state of	
	h(s) = S mod 9 = S	Pill Inni
	Insert S into slots.	1
		1
	key:28 h(28) = 28 mod 9 = 1	1 1 1 1
	Insert 28 into slot 1.	1 3 1
	Town on the Albert Of Barrer Of - Color of the San San San	2.3
Cerpo	kej: 19	N S N
	h(19)=19 smod 9=1	1 2 2 2
	Insert 19 into slot 1 and chain with 28	1
	key: 15	-
	h(18) = 15 mod 9 = 6	1
	Insert 15 into slot 6	1
	3	1
	key:20	0
	h(20) = 20 mod 9 = 2  Insert 20 into slot 2	
	Insert 20 into slot 2	

AAG B-WH WINDSHAM FOR FREEZEDOL h(33) = 33 mod 9 = 6 Insert 33 into slot 6 and chain with 15 key: 12 p 60000 4 = CADA h(12) = 12 mod 9 = 3 Insert 12 into slot 3 Key: 17 2 tole of mi 2 toosal Insert 17 into slot 8. key: 10 1 tole strail 85 toppal Insert 10 into slot 1 (chain with 28 and 19) Final hash table with chains: values slot 28->19->10 200 plat 21 topo

Each sot contains either one key or a chain of keys that hached to the same slot, the collisions are resolved by chaining, where keys that hash to the same index cize linked together in a list.

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We will dreck if the hushvalue of the mode in the linked list door, in addition, if it disagrees. This can increase the runtime by a factor proportional to the length of the long character strings.

- compute the hush of the target key, First compute the hush value h(K) of the key k that you are searching for using the same hush function that was used to store the hush values in the linked list

11.4-1 10,22,31,4,15,28,17,88,59 keyes use given.

insest these keys into hush table.

length m=11, h'(k)=K C1=1, C2=3 h,(K)=K

h2(K) = 1+ (K mod (m-1)) h2(K,i) = (K+i) mod 11 h(10,0) = 10 mod 11 = 10 h(22,0) = 22 mod 11 = 0 h(31,0) = 31 mod 11 = 9 h(4,0) = 4 mod 11 = 4 h(15,0) = 15 mod 11 = 4 h(15,1) = (15+1) mod 11 = 5 h(28,0) = 2028 mod 11 = 6 h(17,0) = 17 mod 11 = 6 () h(17,1) = (17+1) mod 11 = 7 h(88,0) = 88 mod 11 - 80 h(88,1) = (88+1) mod 11=1 h(sq,0)= 59 mod 11=4 h(59,1) = (59+1) mod 11 = 5 h(59,2) = (59+2) mad 11=6 h(59,3) = (59+3) mod 11=7 h(sq, 4) = (sq+4) mod 11 = 8 in you three here into horsh tuble 4 H=CXYA H= months

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Representing the obtained values into table ac get as.

						-	1 1		1-	-
	h(k,i)=	To	Ti	72	T3	Tu	Ts	T6	TA	Tg C
	(Kti) mod 11									
	0		22	22	22	22	22	22	22	22
								88	38	22 88
	2									-6
	3							14		-6
	4				4	4	4	14	4	4
	S					15	15	15	15	15
	6						28	28	8	28
	7							17	17	17 6
-	8									59
1	q			31	31	31	31	31	3)	31
	10	PO	10	10	10	10	10	10	10	10
-						Market Market				6