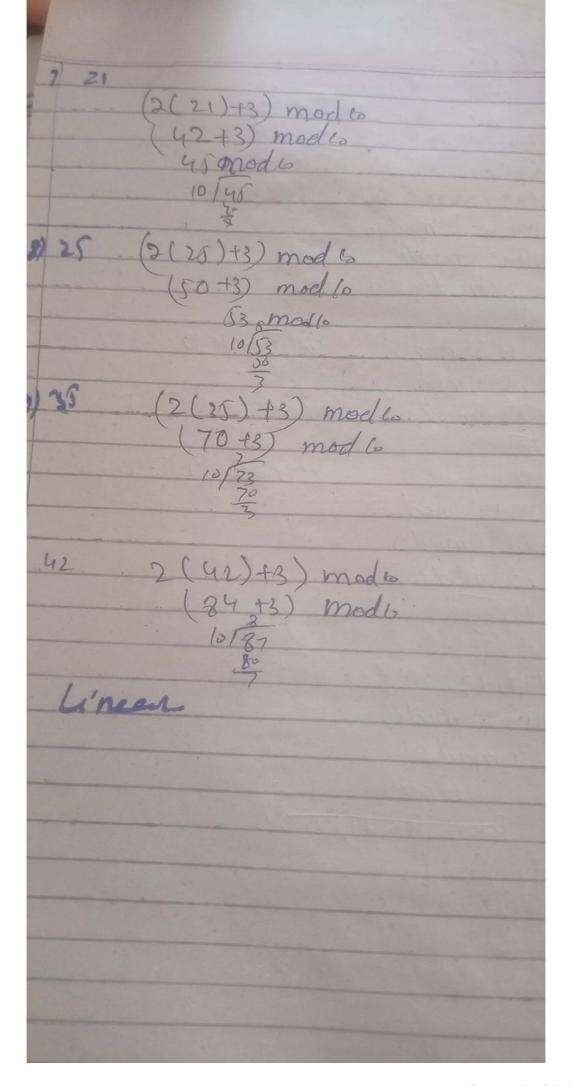
Hashins

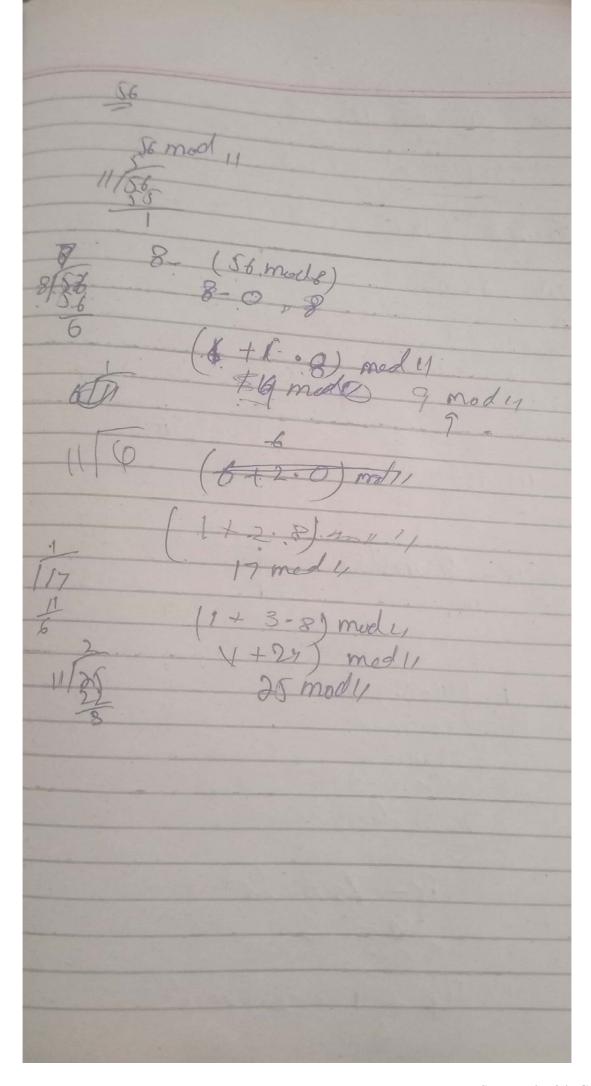
42, 16,91, 33, 18, 27, 36, 62,			
42 modes K mode to			
10/42 19/16			
36 0			
19 31 10 33 91 1			
3 3/ (42 2			
10/18 10/12 / 100 33 3			
3 7 9			
RK, (RK+i3) mod 10 (3) (1) 16 6			
(6 h) Ind 6 6 27 7			
(6+1) mod 10 Par 18 3			
7 modo 3 1 9	-		
RK 2 (RK+12) mode			
(6 +(e)) mod 10			
10 mol			
(0) 62			
7			
2 RK = (RK+0) mod b			
2 (2+1) mod 6			
3 modro			
3			
RK = (RK + it) modes			
(2+ (2)) modes			
& mod w			
RK = (RK+112) mad			
(2+13)) moel 10			
11 mod 10 1	Annual S		
RKZ (RIK+04) modes			
2 -f(Rif) mond co			
	1		

Post Cales
Insert the following keys in hash
table using hash function  h(n) (2x+3) mod to
7010,110,20,22,21,25,36,42.
Chaining h(x)=2x+3 mod/s mod 2 n-1 10-129
07 · (2(7)+3) mad to
(14+3) mode
17 mod lo
(2 (10)+3) mod to collision 1032012613
23 mod 10 (M1500 4,2) 5
23 1100 10 0000
10/23 CAMMUND, 7,1793 76
(2(11)+3) modes (SU1) 10. (1) 1797 700
(22+3) modlo
25 mod lo
10/35
20
- 4) 17 (2(17)+3) mod (0
(34+3) mod to
37 mod 10
10/37 timear
130 RK 2 RK + 1) MONDO
1) 20 (20)(+3) mod 10
(40 +3) " 43cl 10
13 mod lo
10/43
8) 22 3
(2(22)+3) mode
Tun+3/mode ** * * * * * *
4 non y

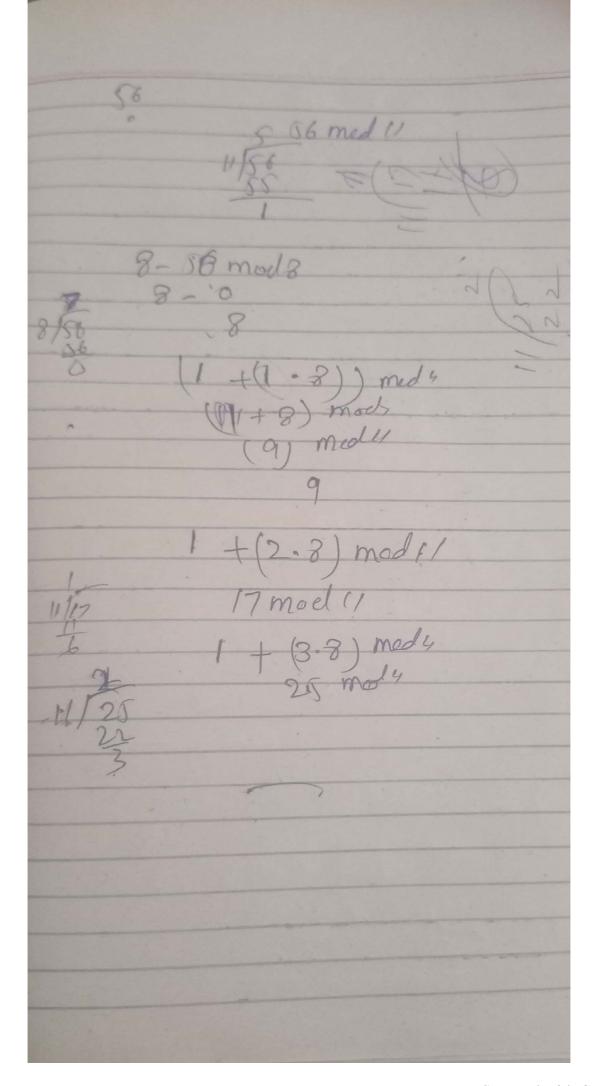


75/02/15/2025, 215 25:35:42 h(n) = (25(+3) mod 1084)
(2(7)+3) mod 6 14+3) mod to 10,190,26 4,200 37 mod 70 Linear. 7ti) moels 9 mod lo

00 + 200	
29-7-2021 Double hashing	
	N1547
h. (K) 2 2 - (Kmal) - 9	hate ho hown
from ( " ( ) ,	K)) mod 11
00,34,45,70,86	
m, kmole,	(
20 mod 11 0	34
11/20	(1
19 h., 34 mody	56
U/34	45
ulgg sof he funts	70
1196- 8- (Kmol)	
8-(5)	- E
8148 3	20
1 + 25 ·(3)) moel/	
(2+3) mody	
& moder	
24	
70 20 mod (1	
2 10 100	
11/70 84	
4 8-(Kmod 8)	
8- (70 med 8) BE	7.8
15ho 8-6	6
163	-111
7 (4 +1 · 2) ma	914
IFF SELL (i+2) med	6
The state of the s	THE RESERVE OF THE PARTY OF THE



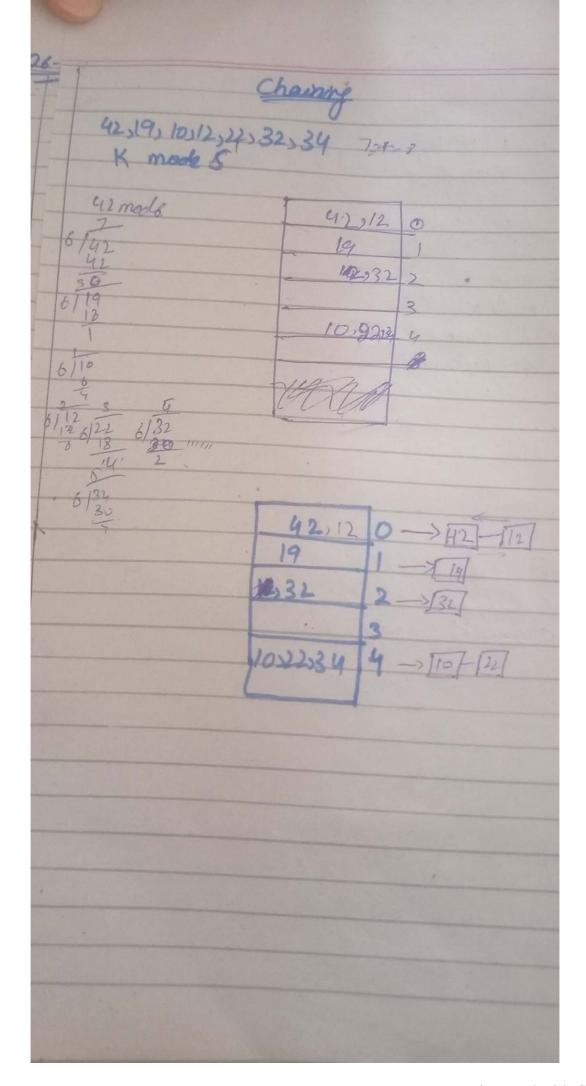
Double	
20,34,45,70,56	
KI(K) - Kmods1	127
Josmula (hi(x) +10 hz	(K) (mad 1)
	10
hi(20)2 Do mod!	34
11/30	56 3
hi(84) 2 34mod"	45 4
11/34	5
33	70 6
usmodu uszu	8
11/45	20 9
7 8-(45 mod 8)	fo
2 8-5	
8 (4)	
8. 1 + (1(-3)) mad4	
(1+3) mod 4	
4 moll	
706 70 medel	
1500	
8-80 mes	(8)
0Fm (8-6)	
9/84	
6 /4+1.2	) med 4
6 modes	26



26-7-2021 Hoshing Different function are used to apply
history / mapping
loser value are stored
smaller. 2,43121) 1) Key (Sersch Key)
2) hish table 08

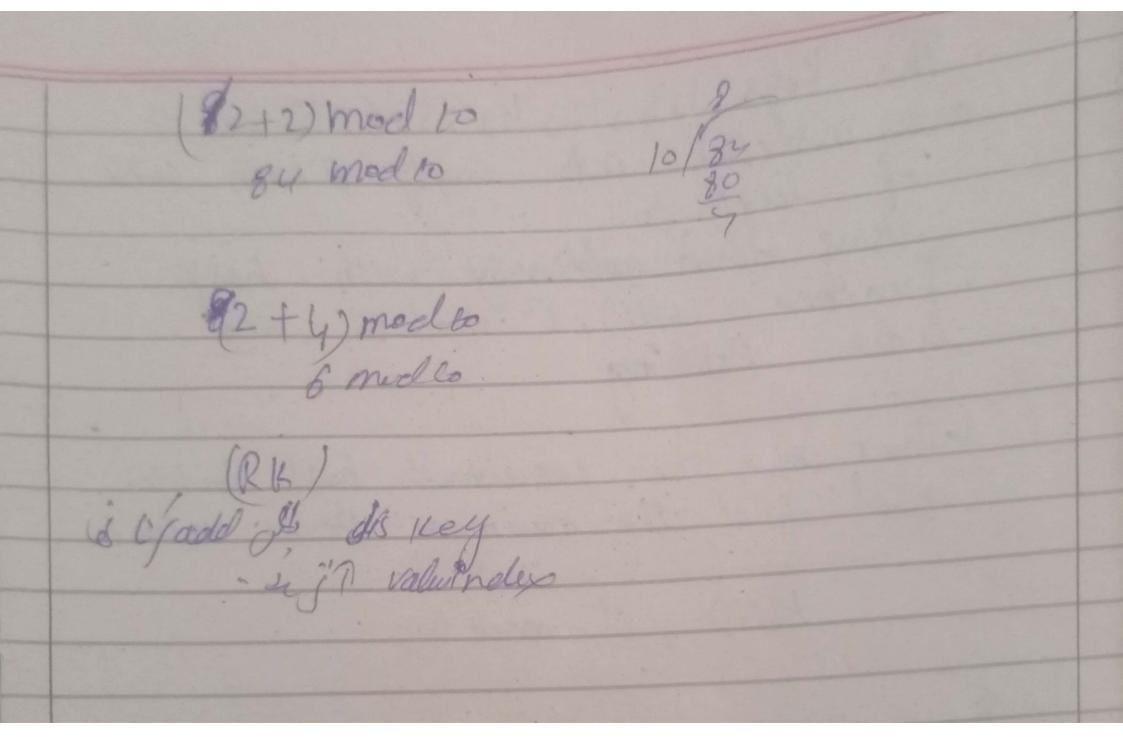
1) What is hashing what is callion 3) what is different types of allision is Different function of hesting Function K Mode to 31 values 3) Mid Sque 202=22 =4 4) Folding Method

Usic facial of double 10 W+1 123456 1) Types of collision
(heining lopen hashing
(close heshing
(1) Linear 2) Quardate Double



Solvend	
42.1910)12,22,32,34	K modes .
	6-125
	The sale state
	42512 0 5012
	19 1
	52 2
Linear	10,22844
42.10.1	
42, 19210212,22,30	1,40,77 K mode
10/42	
1	0 10
	1 40
Part 1	0 42 200
mand and	( 12 3 DOG
Adely disorde	422 420
Ofen hashig	SU 32 513:
Man i have	34 1
class linear yes	40 7
	77 8.
Formule	19 9
Linear	
RH = (RK+1) mod	h v.
(1) 10106	e 10
THE STREET STREET, STREET	
FITTE	
THE RESERVE OF THE PARTY OF THE	

10/72	10 10	10	15	
1-70	100 30	10) 135	10/136	
21 Beenple	120 -10	-	- 6	
1 43, 135, 72, 2	3,99, 19	וקול	1	
RK'= (RK+C)	made in	2	1/33	
43	919	0	7	
(43+1) modelo		1		
44 mode	721	2		
	43	3		
Tof liv	48 29			
136	138	7		
	32	,		
(13541) mode 10	02	-		
136 mode				
10/136		. 3		
-7	99	9		
10 1 28				
128				
10				
3 23				
RK = (RK+1')	red in			
(23+1)		. 2	7	
77 241	need to	10/24		
10 4.		4		
E .		4		
10				
99				
9 04 104	. 11 4			
PK=   RK.				
	11) mas		Contract of the second	
1	on mod	016		
Fuer.				
1114 - 7-				
Tu 12 (82 92				
10 % ok (RK+i') mad o				
10 % pks (RK+10) mad o				
1824) mode to				
83 made to				
3				
			The state of the s	
		NAME OF TAXABLE PARTY.	STATE OF THE	



The Keys 153, 12, 4, 25, 6, 18, 20, 18 are inserted into empty & hash table of length to using with hesp sun thon using a mod is and linear Problem What is the resultant hash tables and find the maximum Probe value? M(i) , i2 mode 10 1 mad to 20

6 mod 6

Advantages of Hashing flexible method of data retrieval then any other dela structure 2) foster than seesching attings and lists.
3) same space it can settobic in 10 Pooks
ony stored in a tree that will otherwise selve log n poobes.
I does not allow null colores like horn may Disadvanleses of Hesthus Hashto collesion are practically unavoidable when history a random subset of a large lest. 2) not effective when humber of entries an very Smell Jule constent time on average,