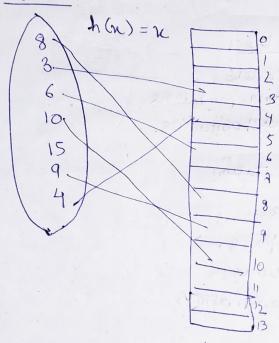
priction or

useful for searching

- O dinear o(n)
- 3 Binary Ollogn)

keys: 8,3,6,10,15,9,4

key Space



mopping

downback that. Space token

for vions

Some - one one many - one many - many - many

this is

method

Open F

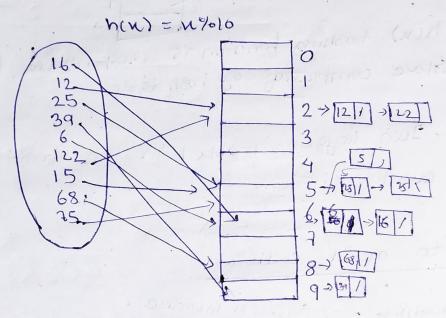
0000

want to one h(w) = x 0/010 2, 4 15 I 9 6 8 h(n) hosting function is susponsible for Space compresity of host take Iwo keys are mapped in one position this is alled collission memod to award collision -) Enc con incoase Open Hashing -> Chaining Closed Hashing 7 Gred space. Open oddsiessing 1 - diness probing 2. Quadatsic pooling 3. Double Hashing

Chaining

- 1. Insort
- 2 Seasion
- 3. Analysis
- 4. Derete

heys: 16/12,25039,6,12215,68,75



made up of account of chain or account of

doading factor $\lambda = \frac{n}{89e}$

t = 1 + 2/2

Successful Seasien

ductions fine unsuccessful fine

t = 1+\$

Hashing Technique (diness probing)

h'(n) = (h(n)+b(?)) %10 where f(?)=? 1=0,1,2, 1(N)- NP/010 key Space 0 lineary probing 30 45 25 -6 126 43. 7 > 25 74 74 9 () \$ h'(25) = (h(25) + 6(0)) %010 (5+0) 1/2 5 aloready occupied ti(25) = (h(25)+ b(1)) %010 already occup occupied (h'(25) = (h(25) + be) 2010 (5+L)%10=7 I gt will go you'c

Seasich > take the hash bunchion go to index then go on linearly until key is bound or a space is bound.

doading factor A = m 882e Aug Successful Sasich $t = \frac{1}{2} \ln \left(\frac{1}{1-\lambda} \right)$ Aug unduccessful socien $ext{$\theta=\frac{1}{1-\lambda}$}$ loading factor = $\lambda = \frac{n}{8i3e}$ = 9/10 = 0.9 9605 desamber -> cluster bosimation -> A block of key at one place. primary custoling

too deleting make a trag

Suadatoric Poloting

$$h'(x) = (h(x) + b(x)) \% 10$$
 currence

 $b(x) = 2$
 $c = 0,1,2$

key space

Hagn table

23

13

23

3

43

45

8

n'(43) = (h(43)+fc1)) 0/10 (3+1) 70-20=9

N'(10) = N(43)+ 6(2)) 1/10 (3+4) 0610=7

Hashing Jennique (Double Hashing)

