HOSOMOP! HORR TODE | MOP

Ly Morrison | Morrison | Mey-value Pairs

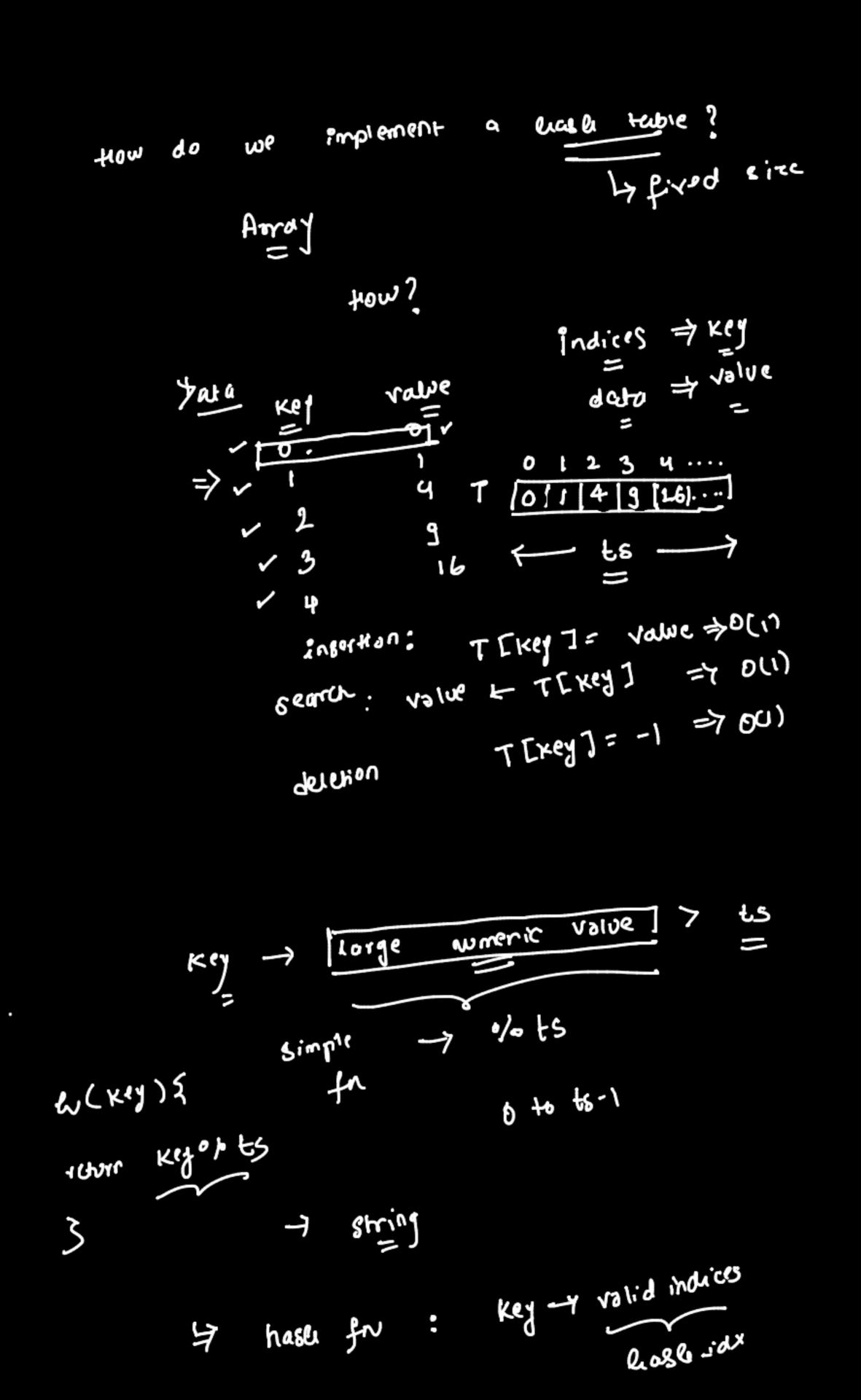
Ly ink to list 
BT 
1 insortion | In o(1)

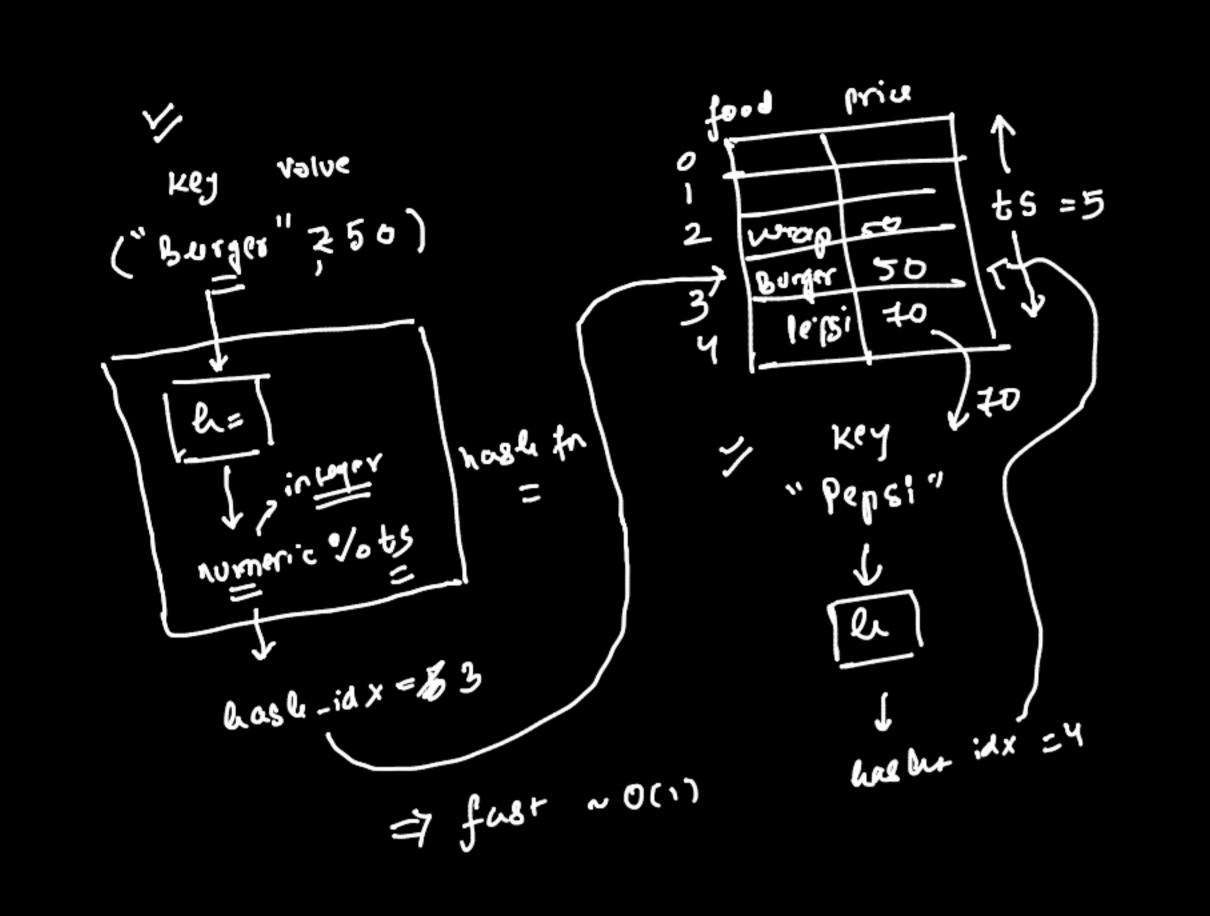
Seatch | In o(1)

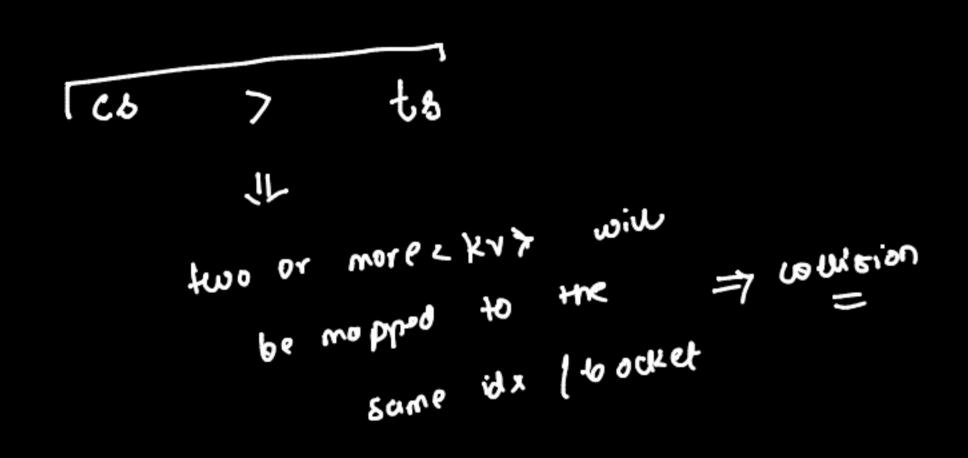
Ly ky | Mapping Som too

entities

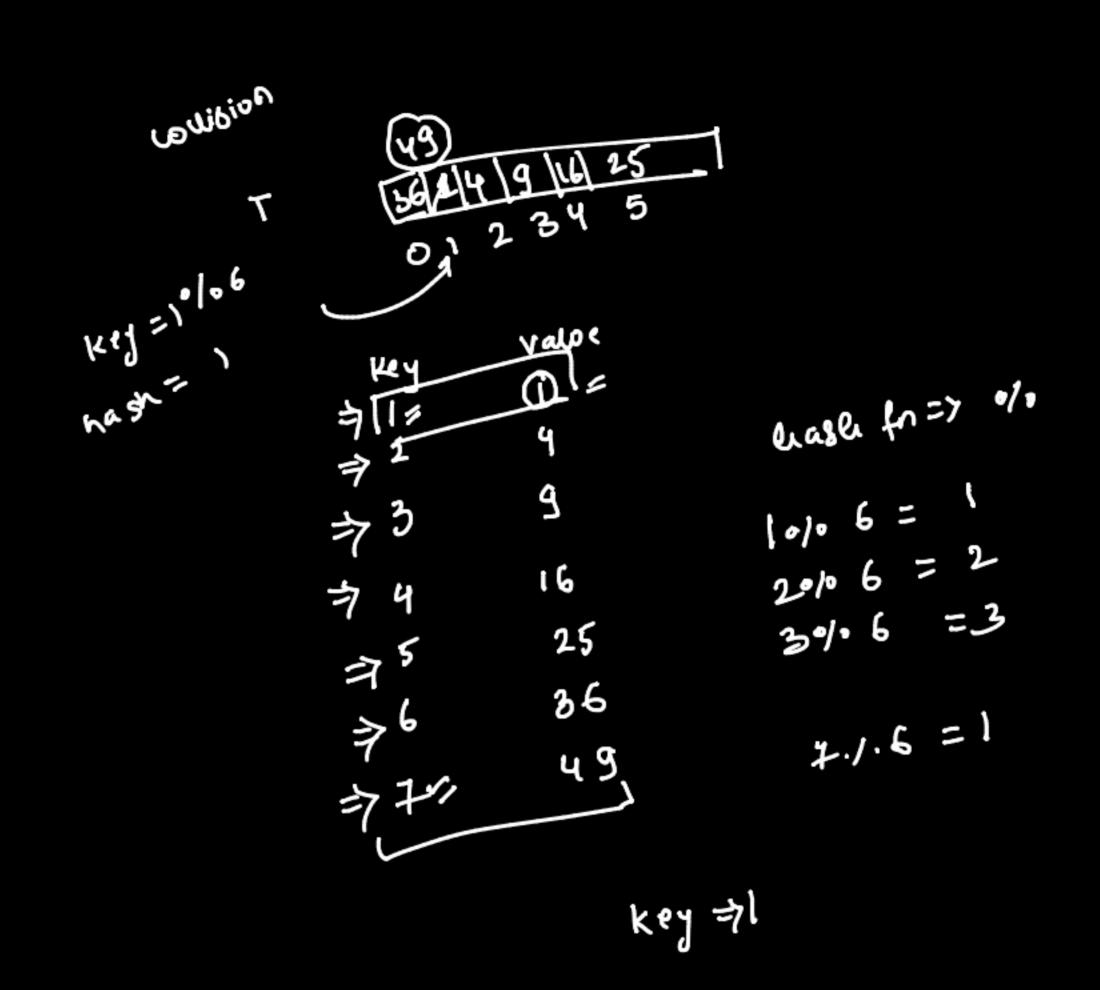
1. Search (Lookupb) should efficient be
2. Order is not imp.

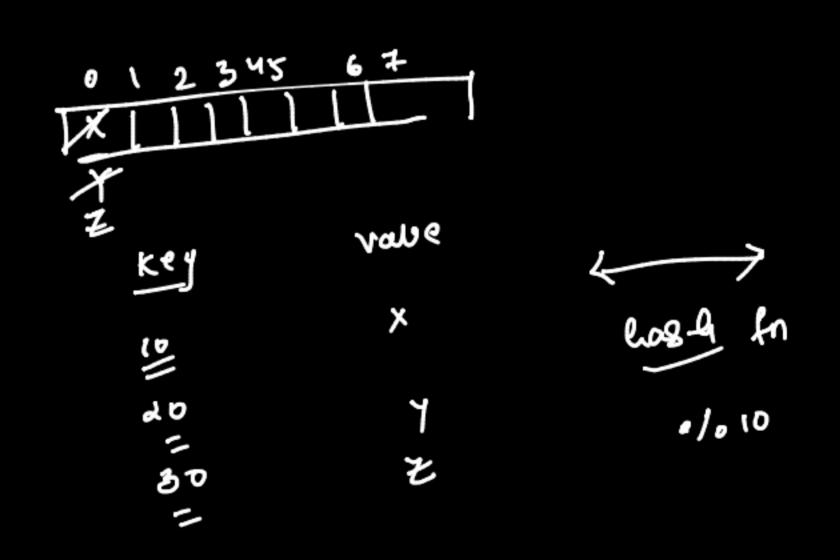






Pijeon - Hore





How to resolve

John Hasking or Chaining

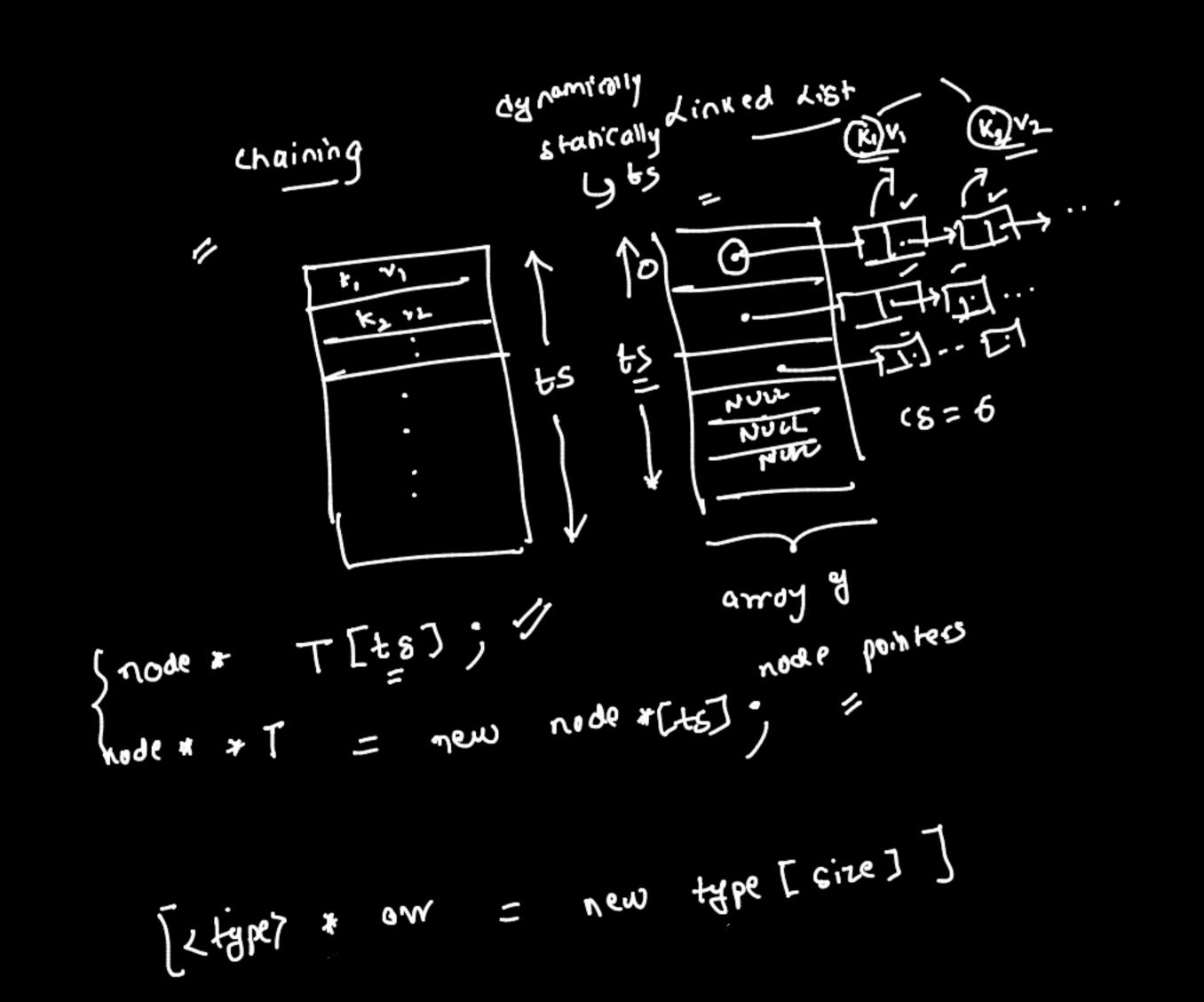
S by open Hasking or World Hasking

Ly Open Aderessing or World Hasking

Ly Guadrane probing

Ly quadrane probing

Ly quadrane probing



How cooming 
$$(x_2, v_1)$$

insortion

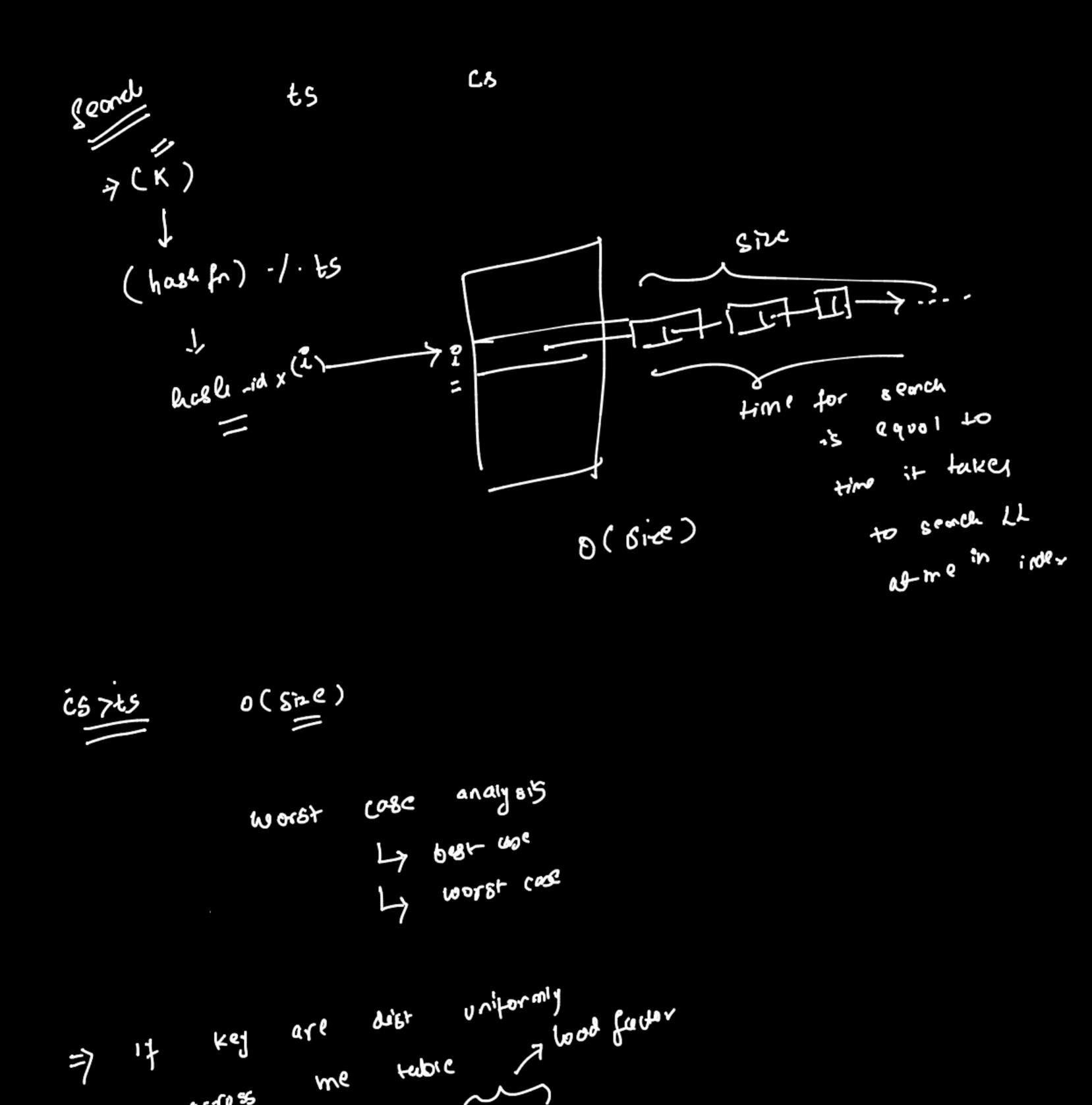
( $(x_1, v_1)$ 

hase for  $(0, t)$ 

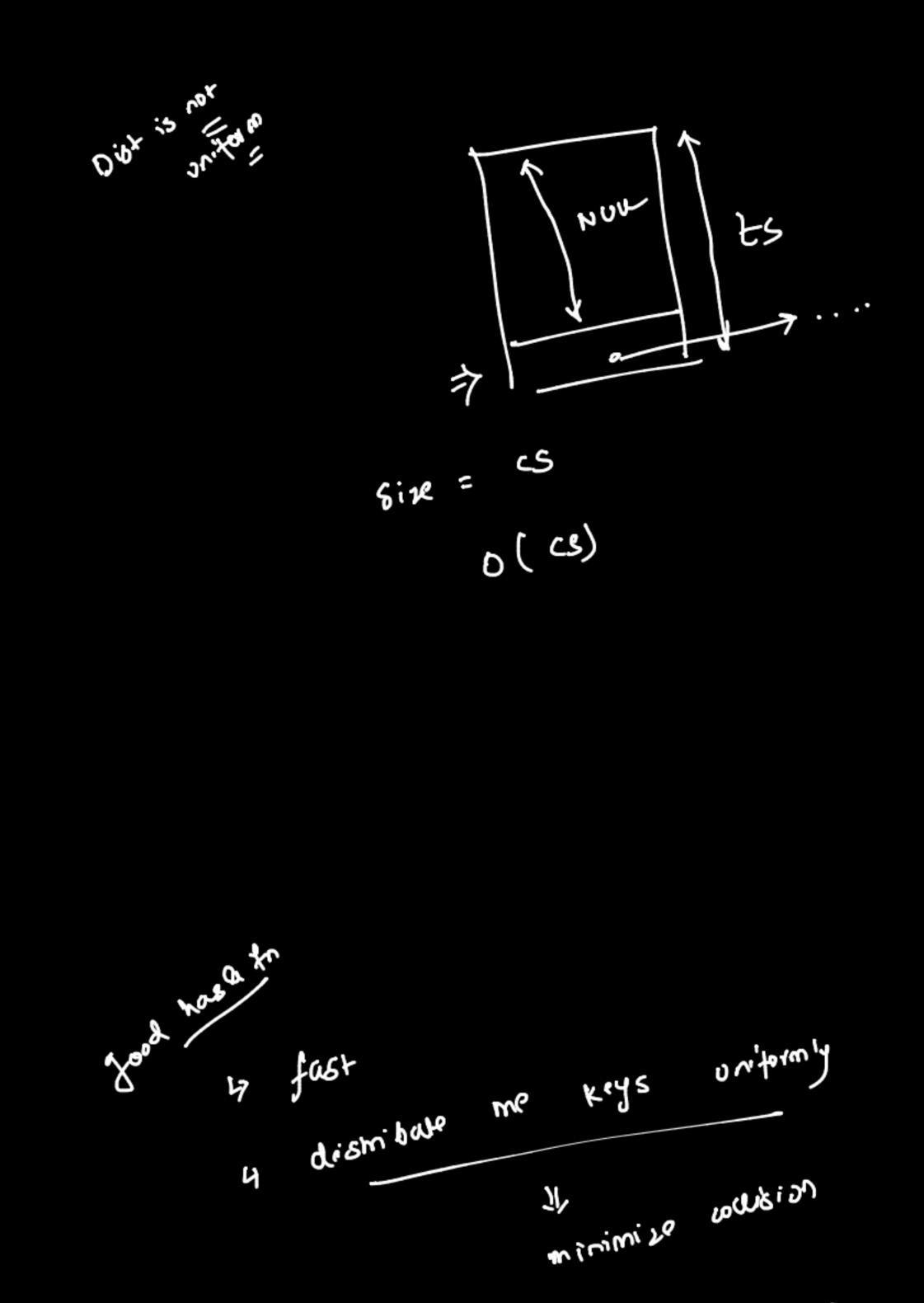
for  $(x_1, v_1)$ 

hase for  $(0, t)$ 

for  $(x_1, v_1)$ 
 $(x_1, v_2)$ 
 $(x_1, v_2)$ 
 $(x_1, v_2)$ 
 $(x_1, v_2)$ 
 $(x_1, v_2)$ 
 $(x_2, v_3)$ 
 $(x_1, v_2)$ 
 $(x_1, v_2)$ 
 $(x_2, v_3)$ 
 $(x_1, v_2)$ 
 $(x_1, v_2)$ 
 $(x_2, v_3)$ 
 $(x_1, v_2)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_2)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_1, v_3)$ 
 $(x_2, v_3)$ 
 $(x_1, v_3)$ 



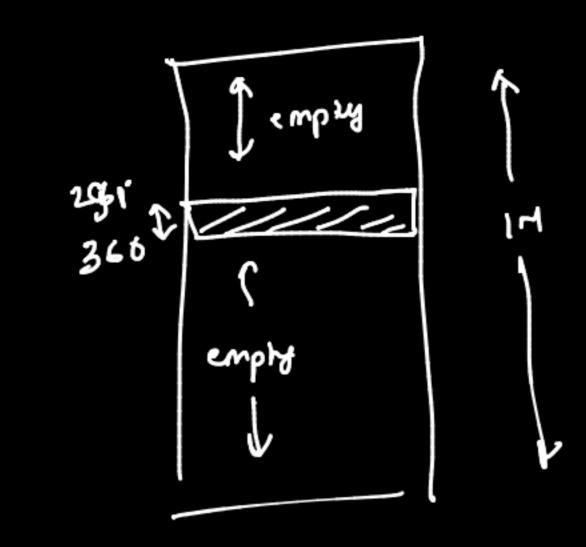
6 (cs/ts)

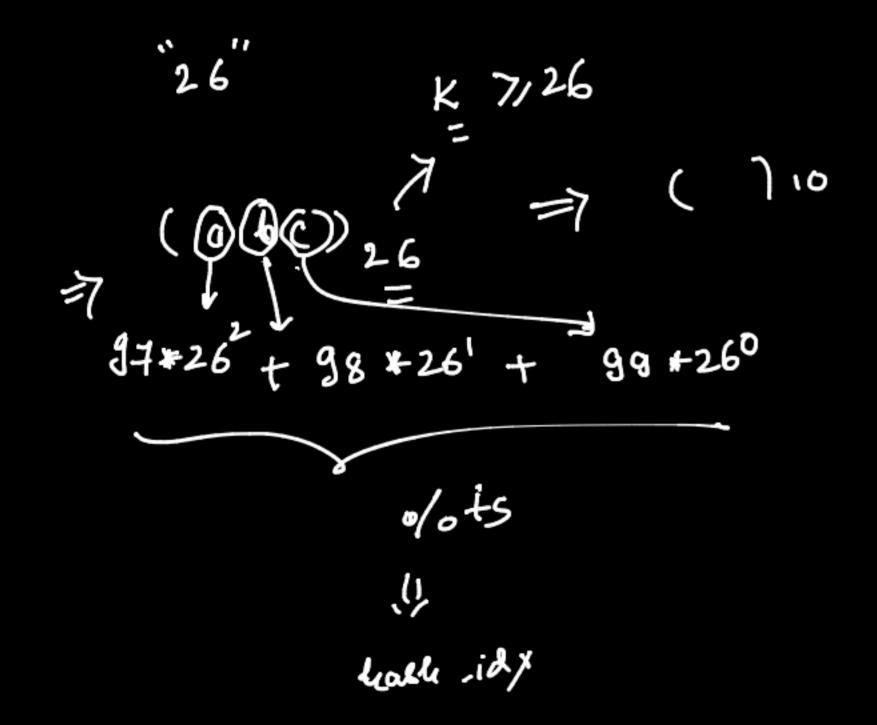


Month 2 D(c8/ts)

1. Sum of ascii of choractes in a string 
$$(97 + 98 + 99) ^{\circ/\circ +5}$$

4 fast





 $7 + 5 = \frac{1}{3} + \frac{1}{3$ 

= [ (x,y,) -1.ts +

(n,2y,) -1.ts +

: ] -1.ts

Key Co J power

- (x,y,) (y, -1.ts)) -1.ts (+)

- (x,y,) (y, -1.ts)) -1.ts (+)

- (x,y,) (y, -1.ts)) -1.ts (+)

J(1.7)

31 = Porm

(20) + 120 - 120

280

280

georch  $\delta(\frac{cs}{l+s})$   $= \frac{l}{l}$   $\delta(\frac{l}{l})$   $= \frac{l}{l}$   $\delta(\frac{l}{l})$   $= \frac{l}{l}$   $\delta(\frac{l}{l})$   $\delta(\frac{l}{l})$ 

Led for mressall = 0.7

Lead favor i.e cs 7

Es

17 re na 8 la inq hante 2 x ES •