



# Char Arrays & Strings Class 3

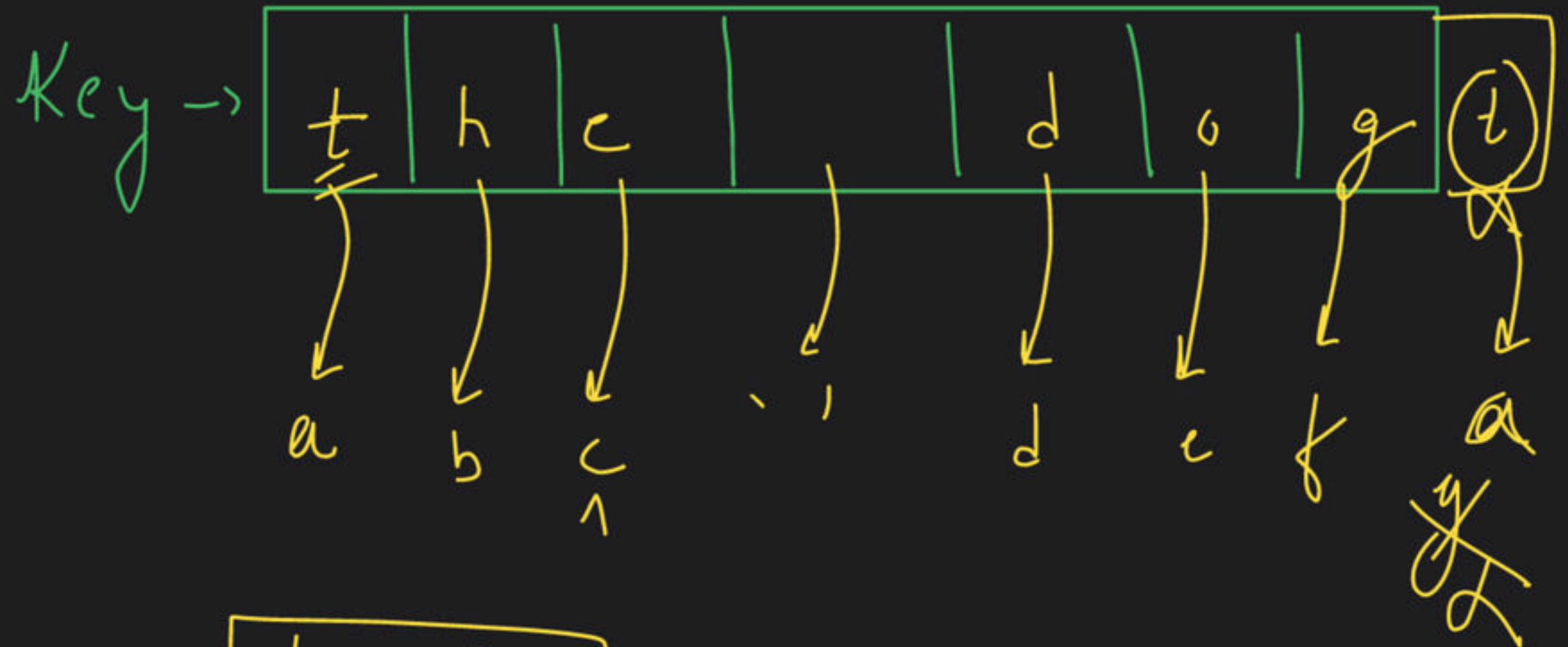
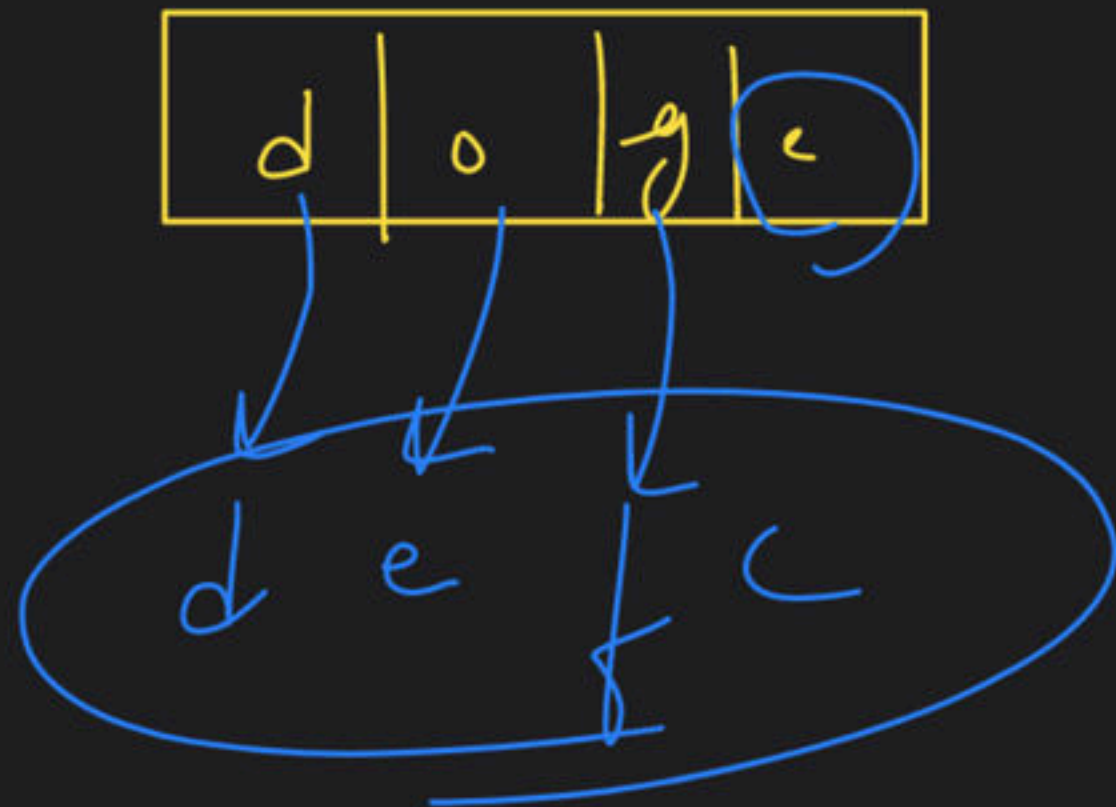
Special class

→ Strings / Char Array →  
→  
→



→ Questions solve: -

message:



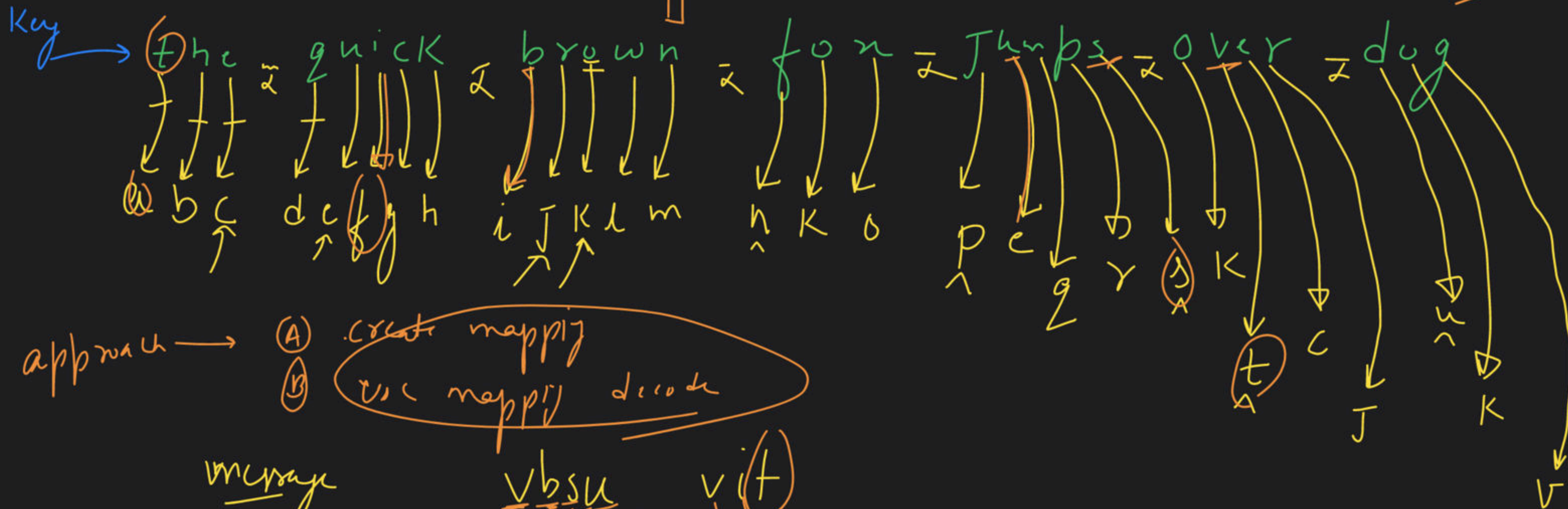
t	→	a
h	→	b
c	→	c
d	→	d
o	→	e
g	→	f

(S.T)



→ (300)

char arr [1000] → O(1)



ti re t ka → final Answer



Key:

space

t	h	e	'	g	u	i	c	k	'	b	r	o	w	n	'	f	o	n	'	j	u	m	p	s	'

start

'a'

map[]

0	0	0	0	0													0	0	0	0
---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	---

create mapping

char start = 'a'

char mapping[300] = {0}

for (auto ch: key)

if (not space && map[ch] == 0)  
mapping[ch] = start

```
for (auto ch: Key)
{
}
```

index

str

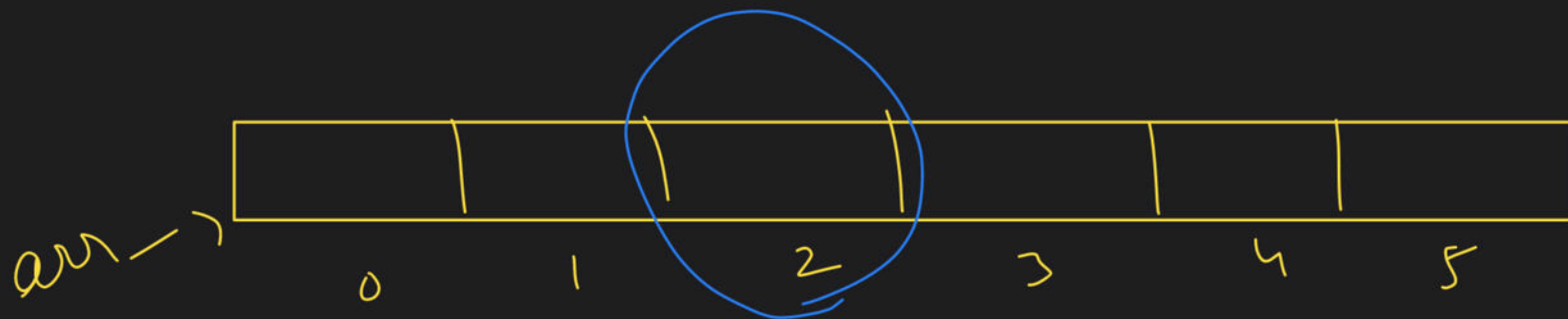
char

26

260 → 0(1)

260 → 0(1)





arr[2]

ch = a

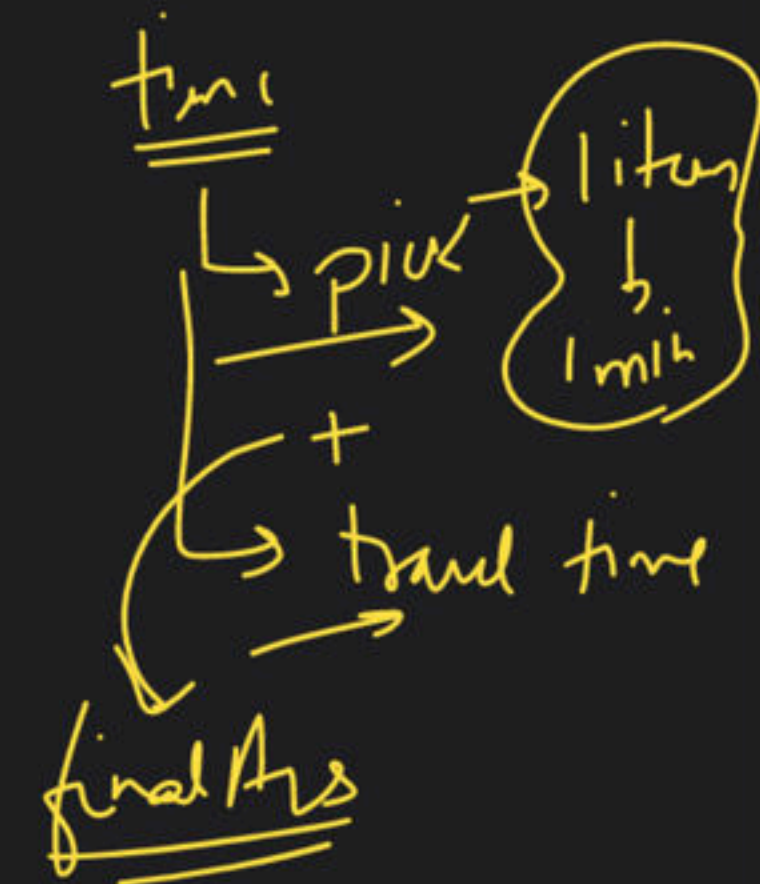
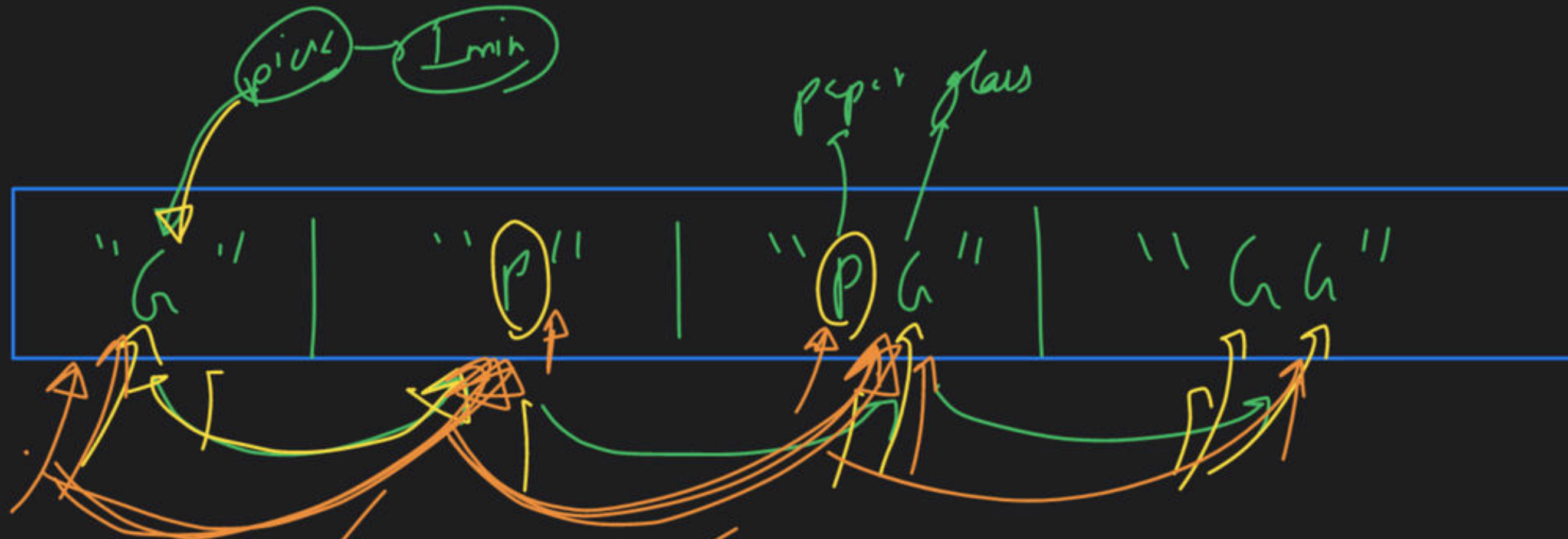
~~mapping[ch]~~

97

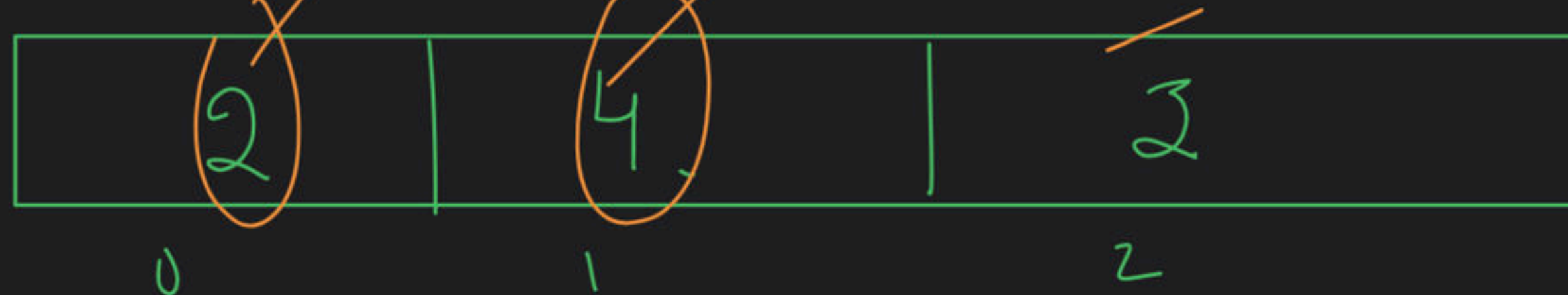




garbage

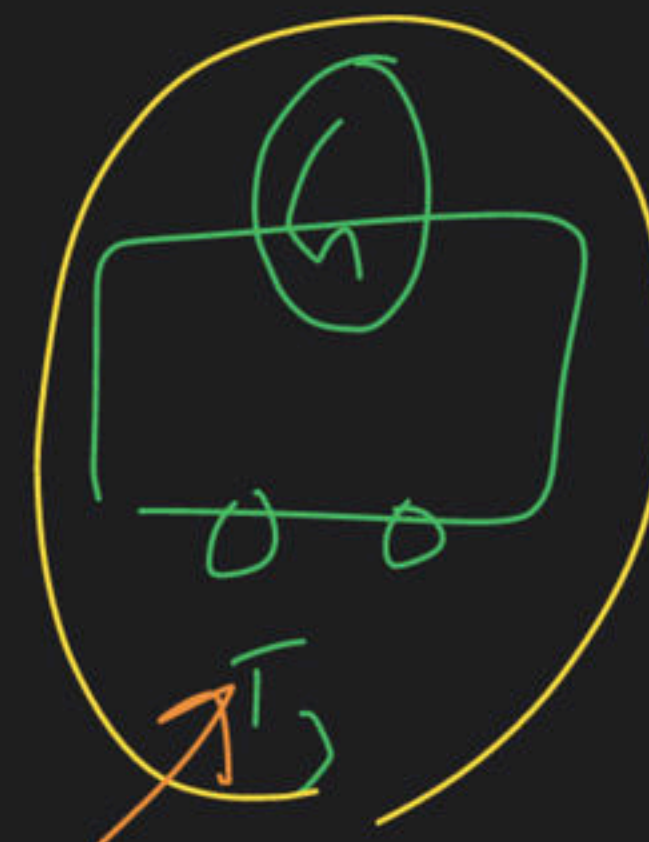
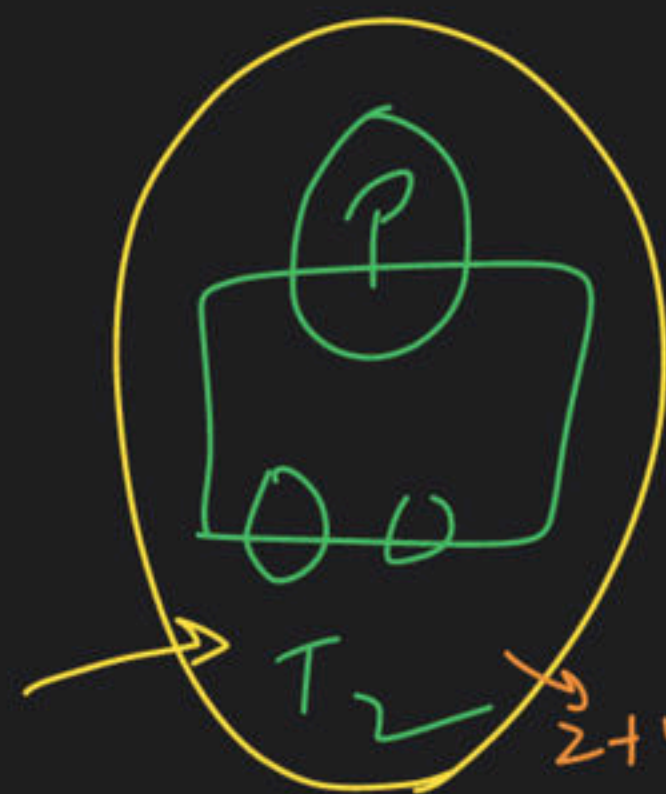


travel



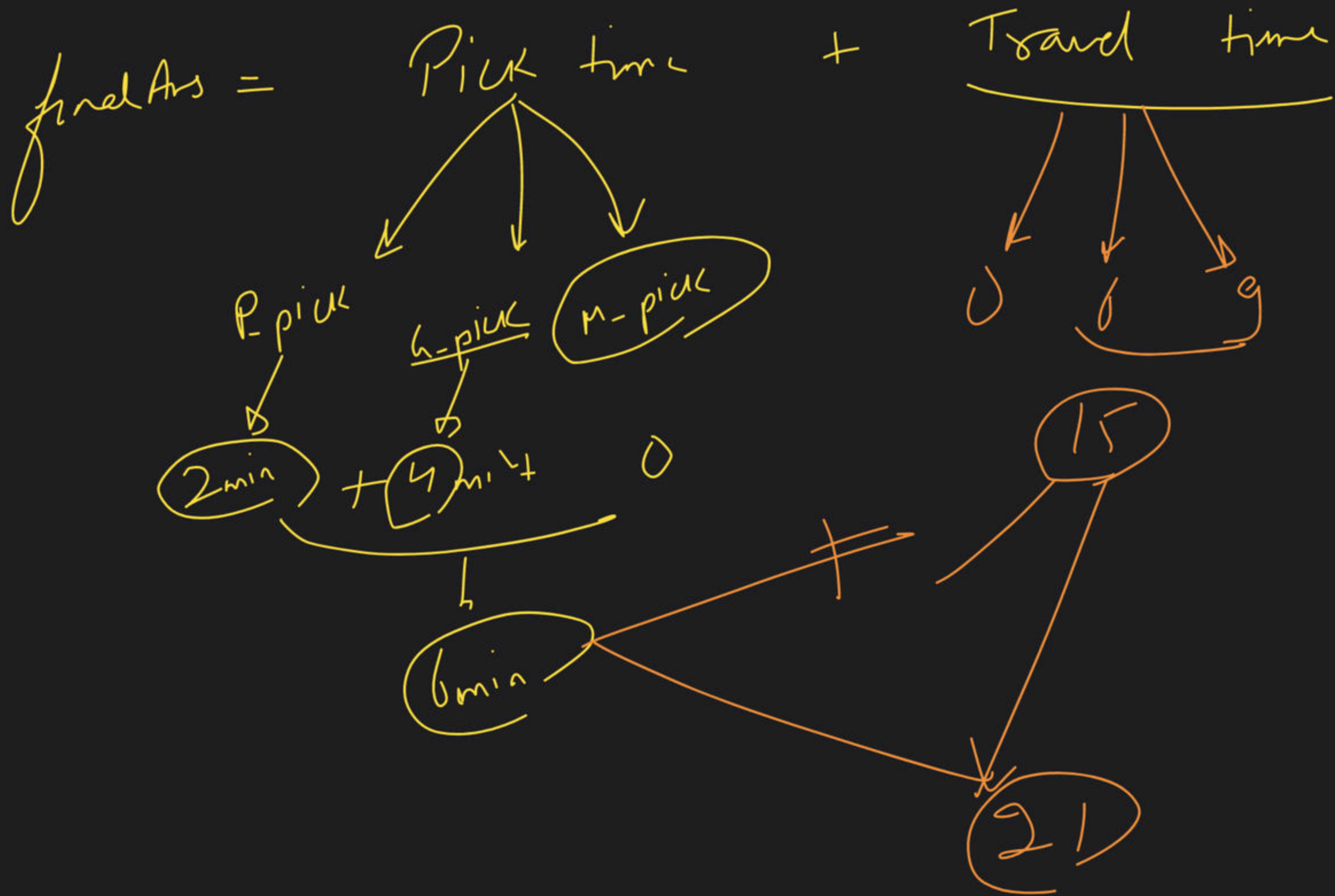
travel[i]

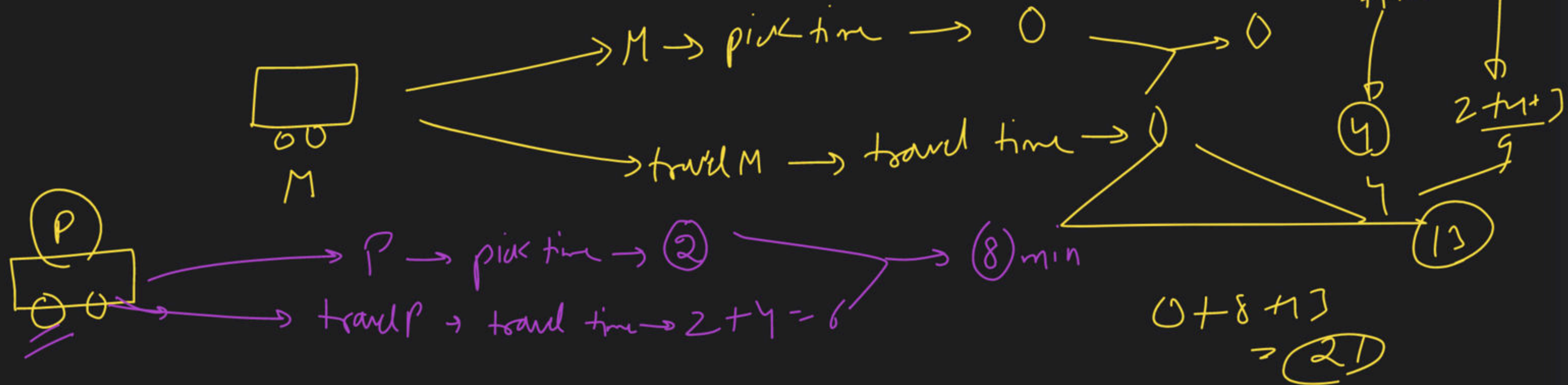
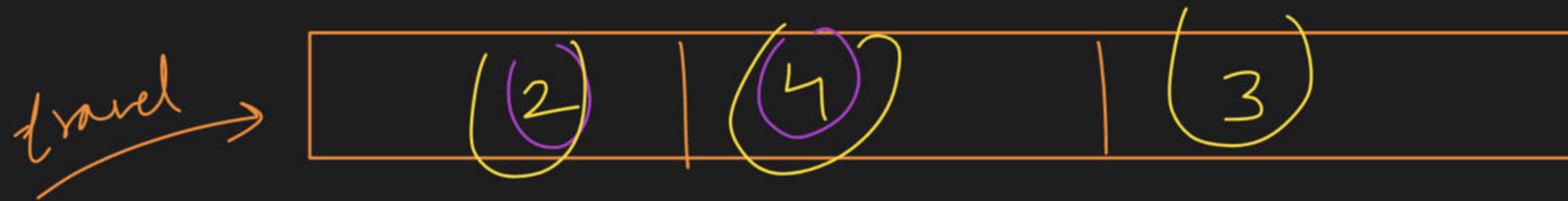
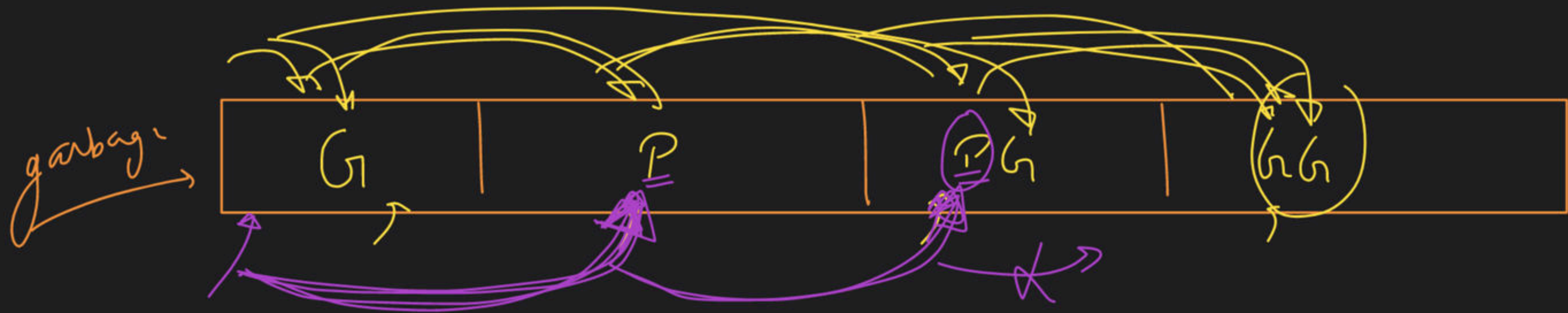
garbage[i] → garbage[i+1]



find min no of minutes to pick all garbage





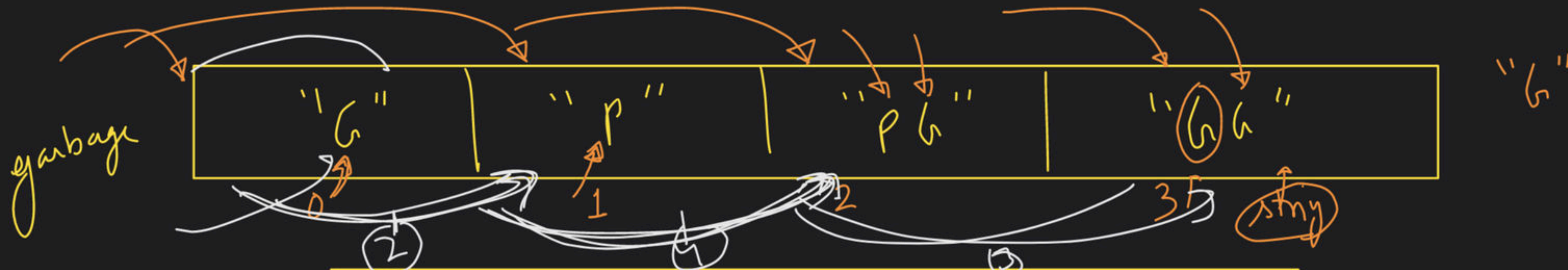




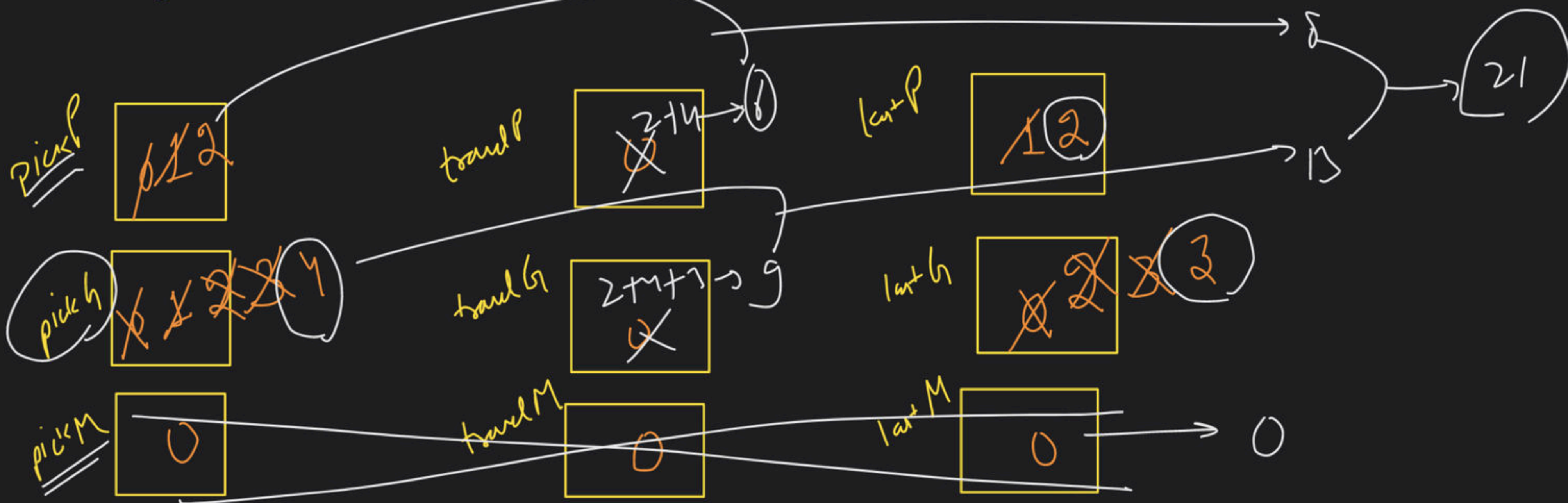
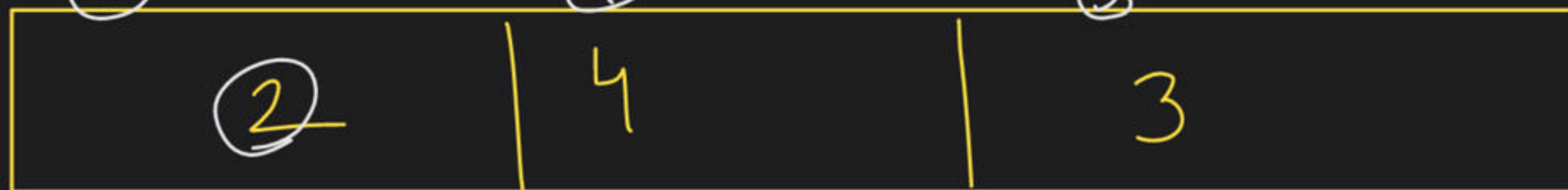
Final Ans =

$$\begin{aligned}
 & \left( \text{Pick time} + \text{travel time} \right)_{P \text{ truck}} \\
 & + \\
 & \left( \text{pick time} + \text{travel time} \right)_{A \text{ truck}} \\
 & + \\
 & \left( \text{pick time} + \text{travel time} \right)_{M \text{ truck}}
 \end{aligned}$$


---



travel





order = "cba"

s = "abcd"

sort(s.begin(), s.end())

~~compare sort~~  
~~compare~~

~~compare()~~



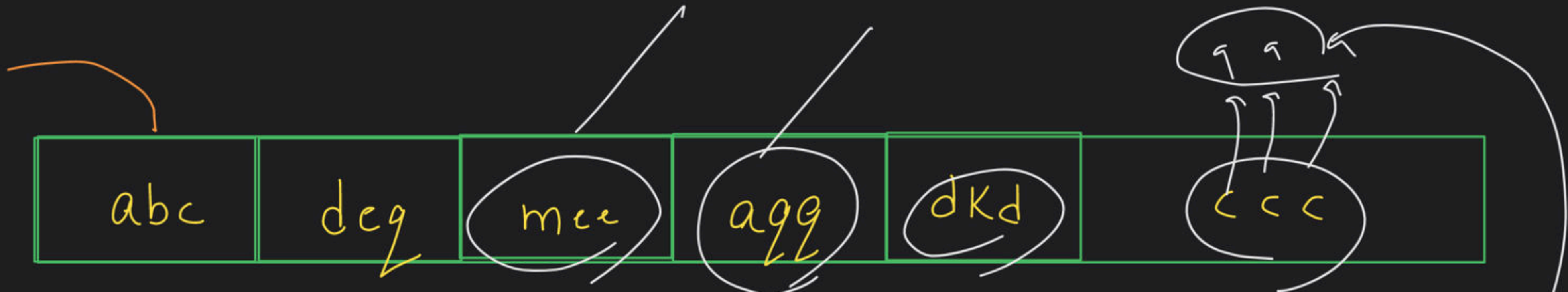
a < b

or

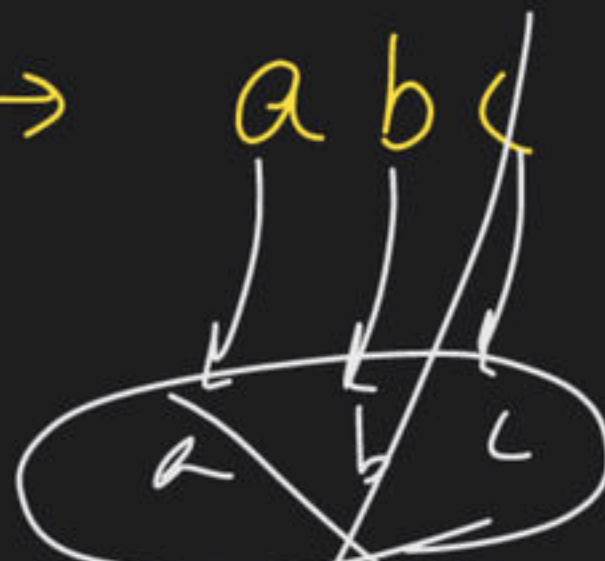
b < a

2 min  
Zoeck





word → abc

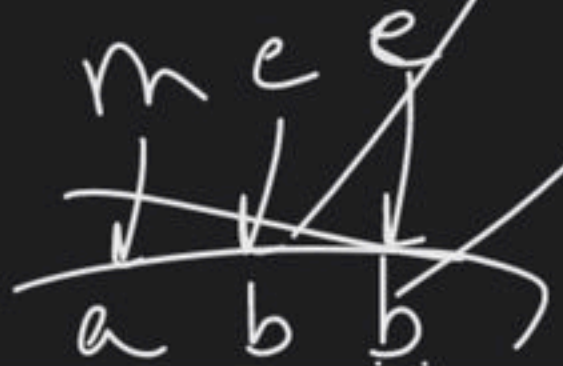
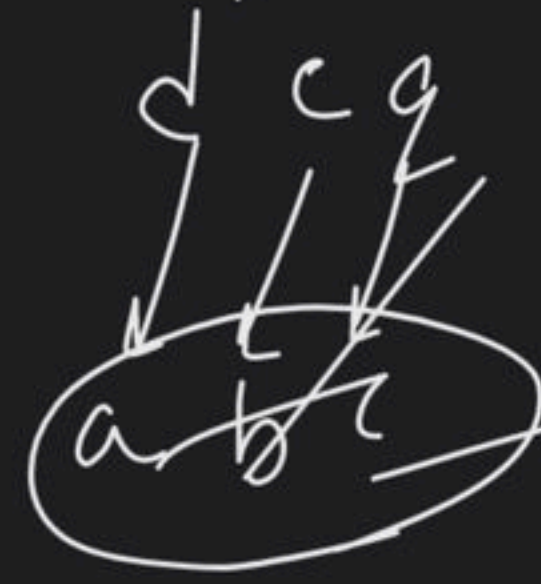


~~agg~~



Pattern:-

abb





→ word → p 1 2 p ←

p 1 2 p 1

1 2 1

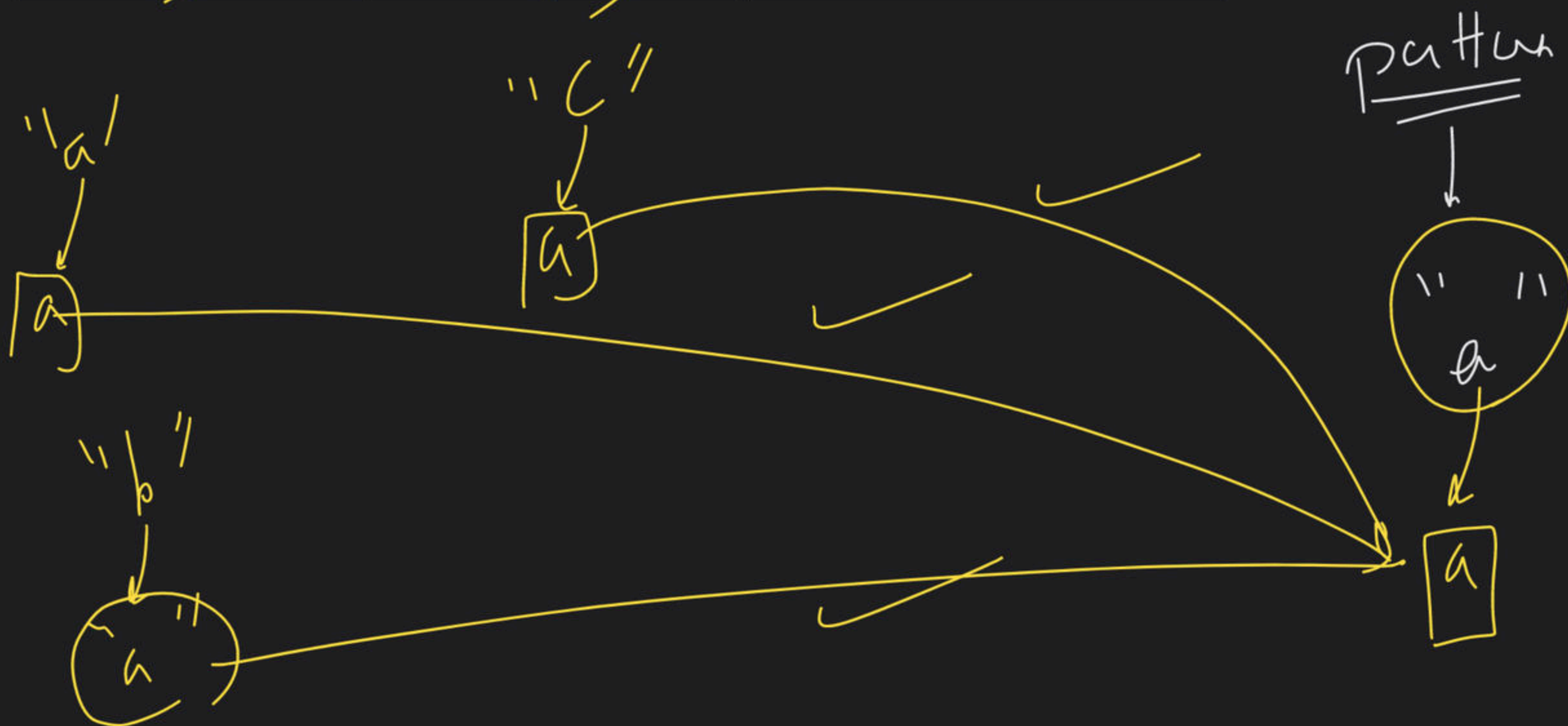
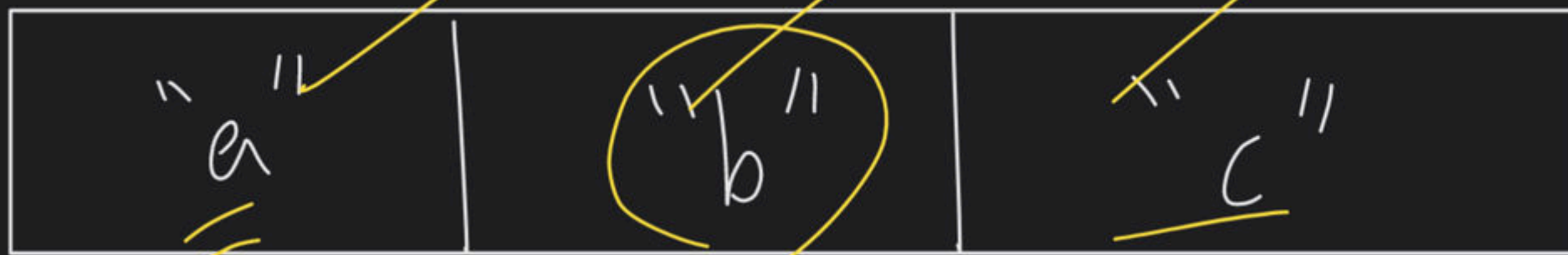
pattern → a b b c

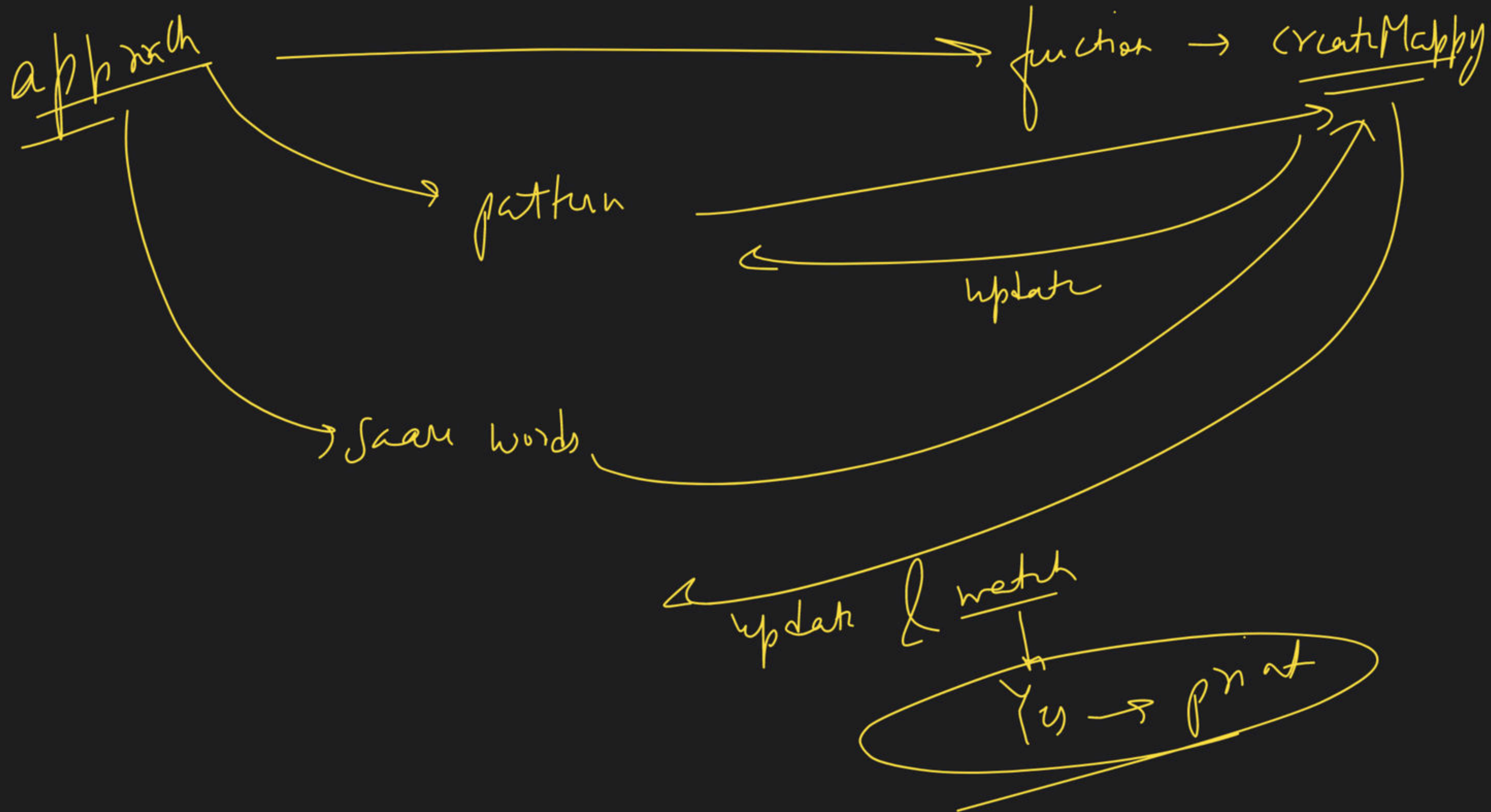
a 1 b 2 c 1

1 2 1

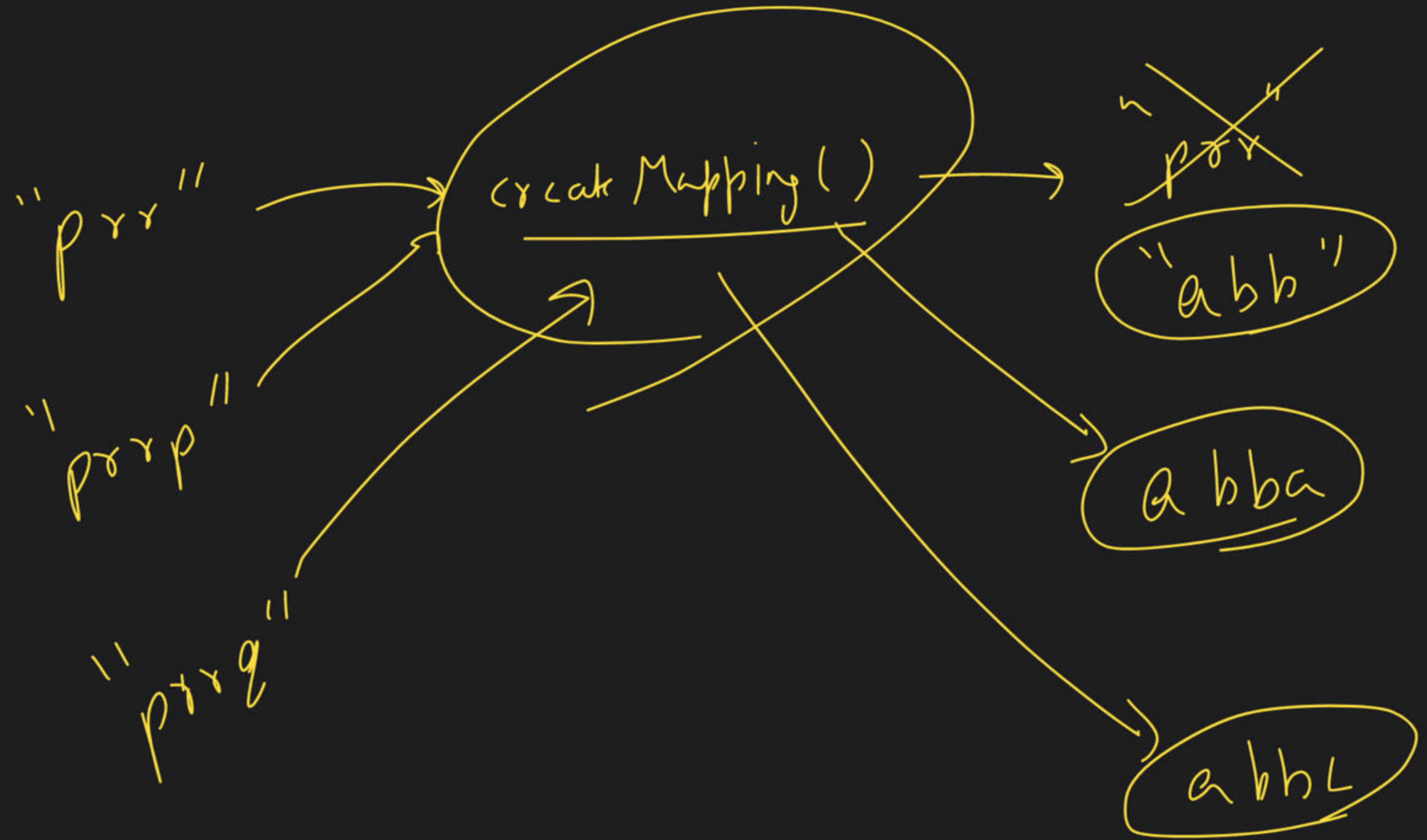
~~Yes~~





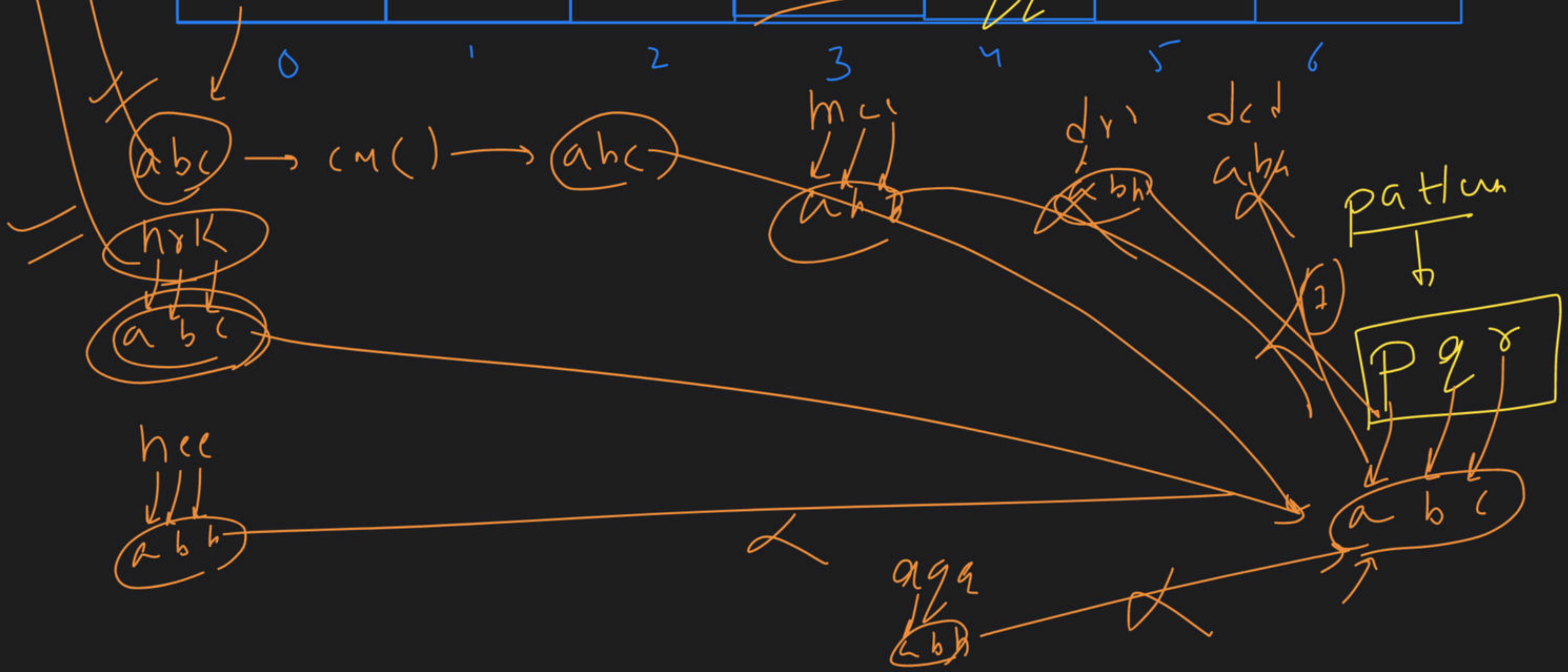






abc + nrk

abc	nrk	ncc	mcc	agg	drr	dcd
0	1	2	3	4	5	6





$\frac{y_{sol}}{T \cdot C / SC}$

BONUS

~~explain~~

~~Wif~~  
Vonder

























