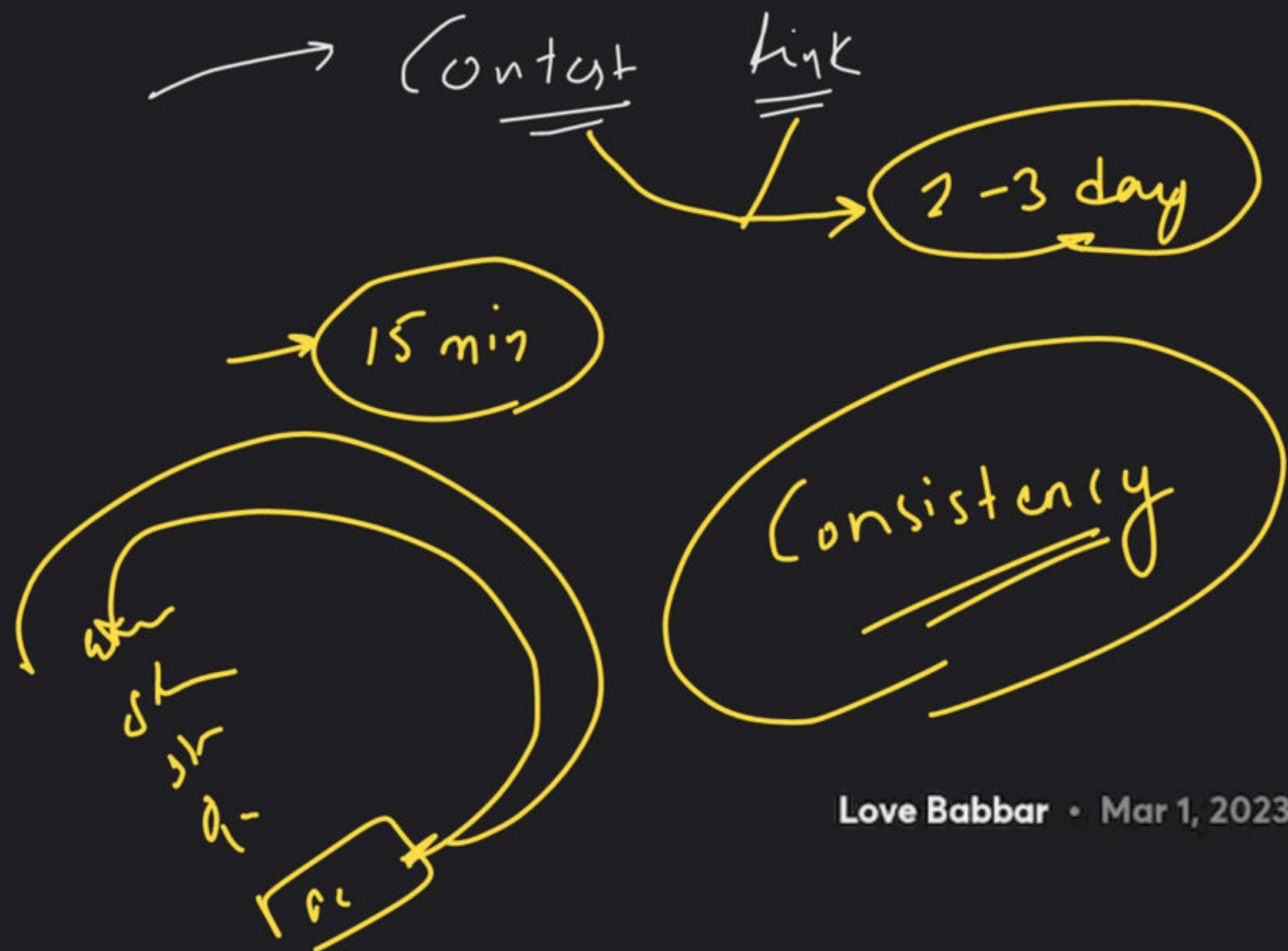
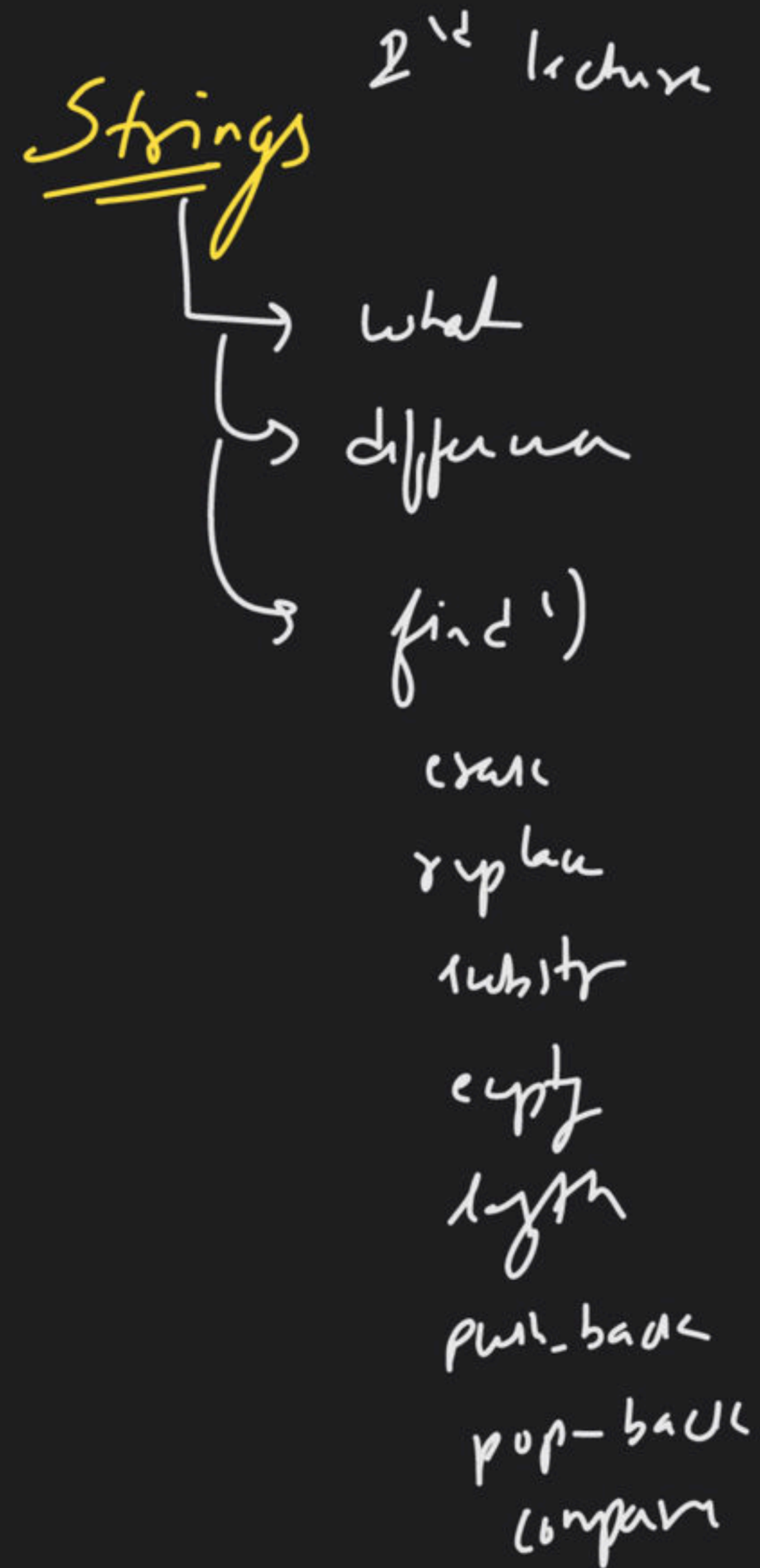
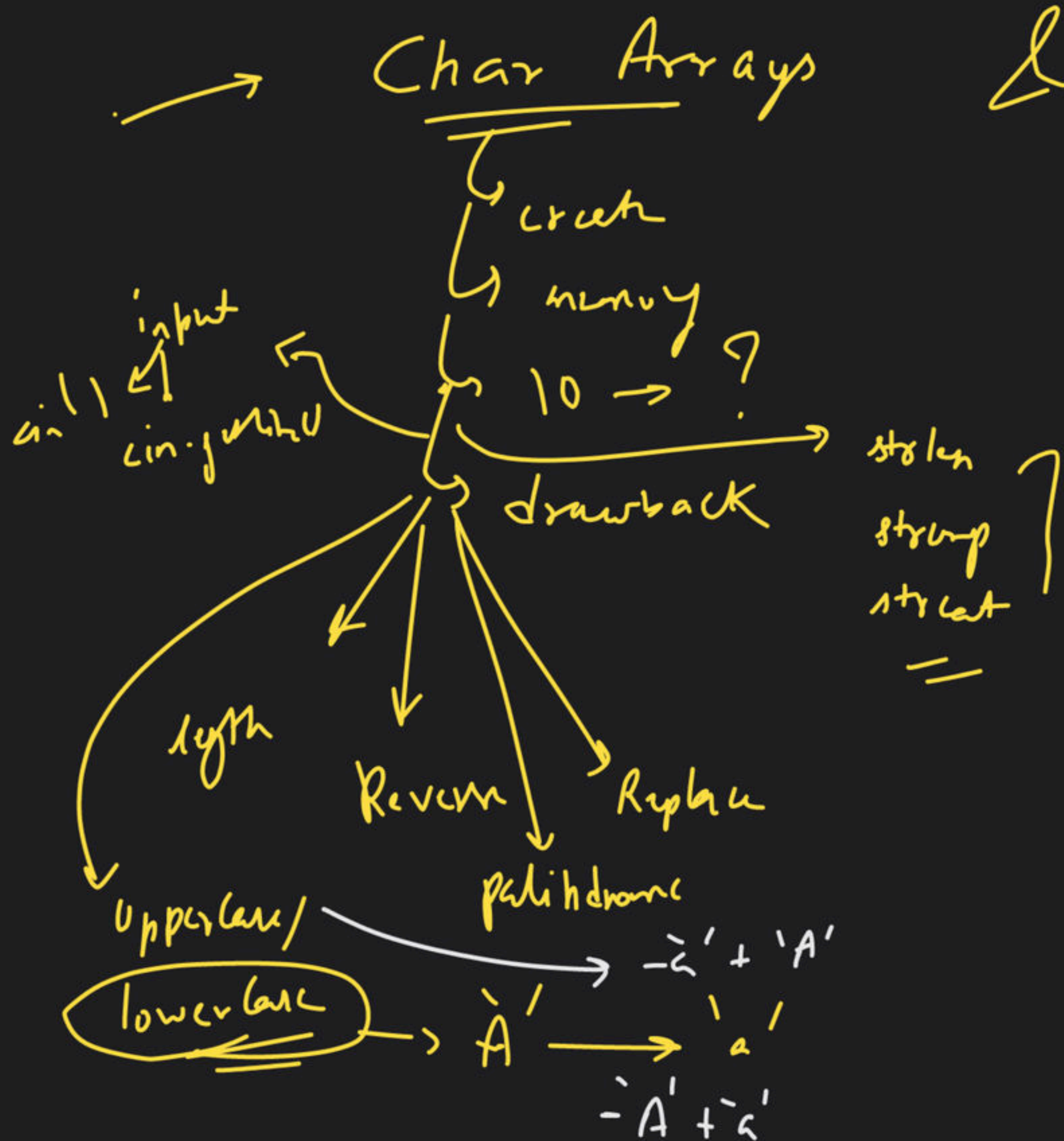


Week-5 [Connect]

Special class



27th feb



2nd

Valid Palindrome

largest Number
↳ sort (- 1 - 2) custom comp

Remove all adjacent duplicate

Remove all occurrence of substring

3h000T
↳ Bear code

min. time difference

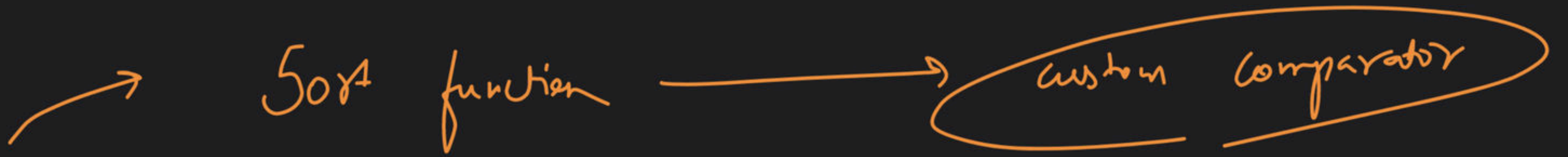
Count Palindromic Substring

EASY

Brute force $\rightarrow O(n^3)$

2-pointers

odd substr $O(\underline{n^2})$
even substr



string s = "babbar"
↓
sort



→ sort(s.begin(), s.end())
 ↓ asc order
A A B B B R _{ans}

④ ① ② ③ ⑤

T
F



custom comparator

```
bool cmp(char x, char y)
{
  return x < y;
}
```

3

n > y _{asc order}

→ Help Ramu →

→ `bool cmp (int a, int b)`
 {
 return a > b;
 }

→

$a < b$

~~$b > a$~~
 $a > b$

"love"	"babbar"	"rahu"	"sandeep"	"goa"
--------	----------	--------	-----------	-------

#1 → first letter compare → lexicographical

#2 → character sum

love → $12 + 15 + 22 + 5 = 54$

babbar → $\underbrace{2+1} + \underbrace{12+2} + \underbrace{1+18} \rightarrow 26$

babbar → 10



HashMap

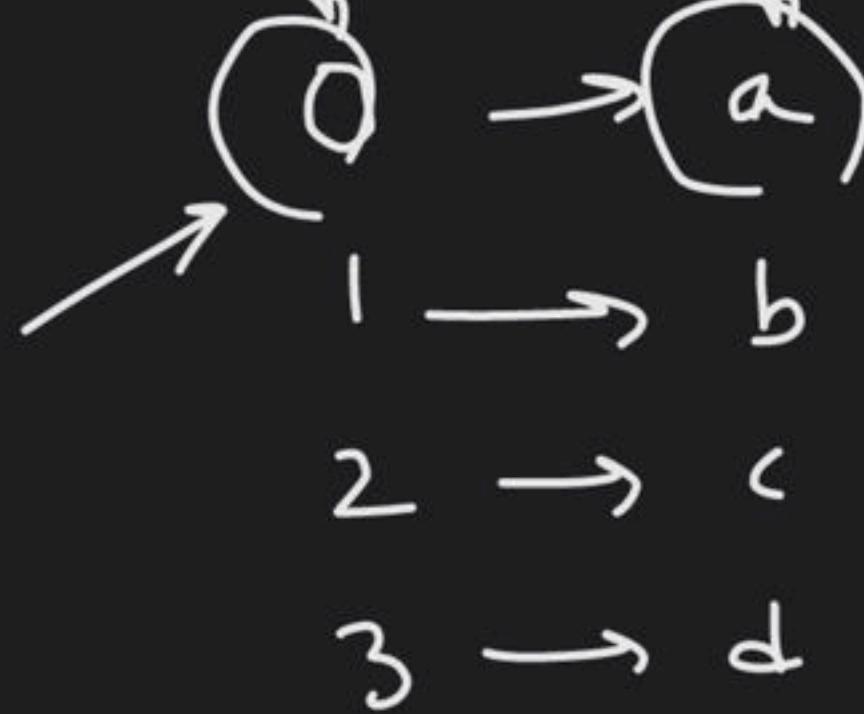
data structure

HashMap

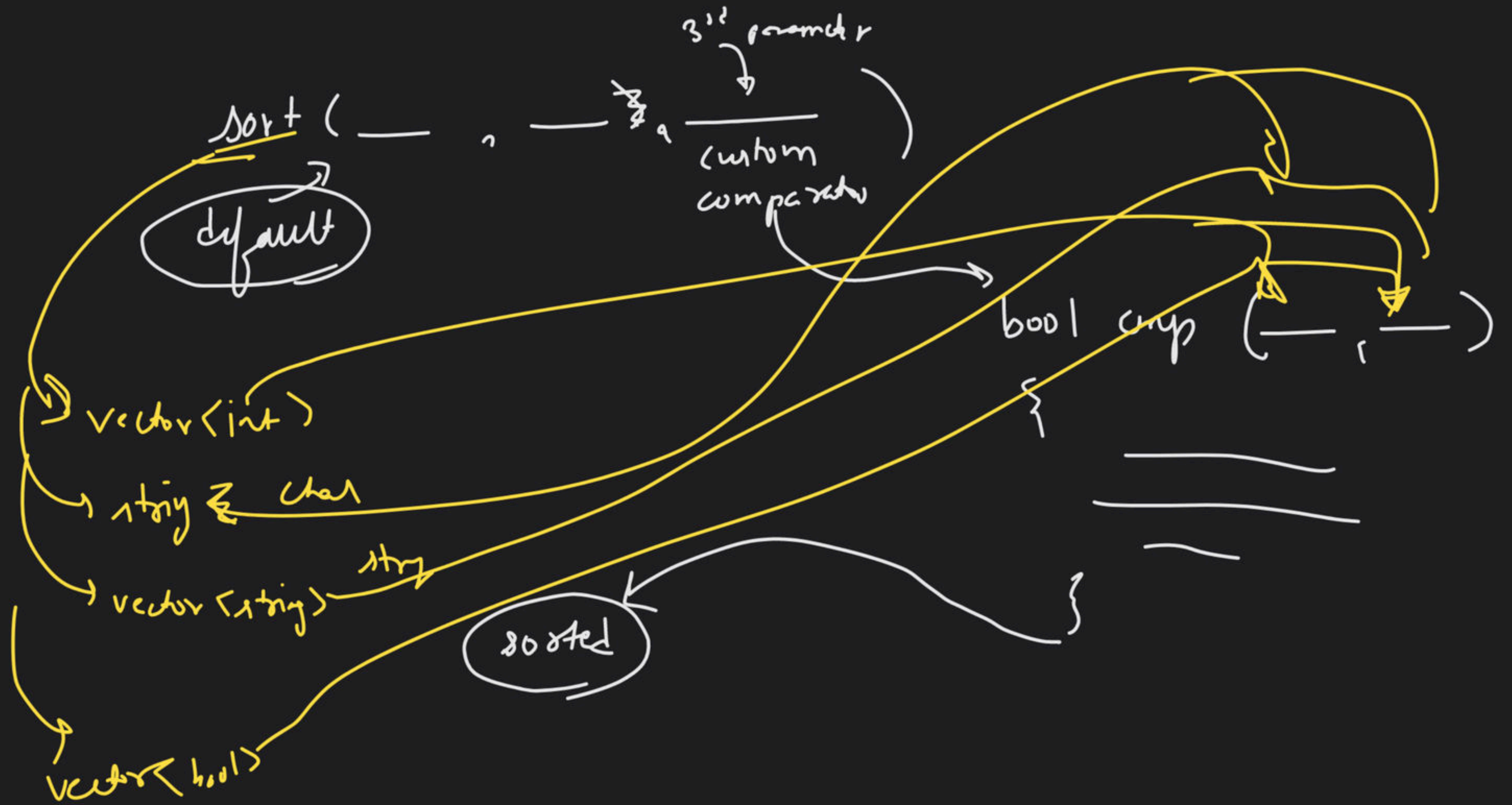
Keys

values

Key-value pair



check
input
accum



Brute log

< > $O(1)$

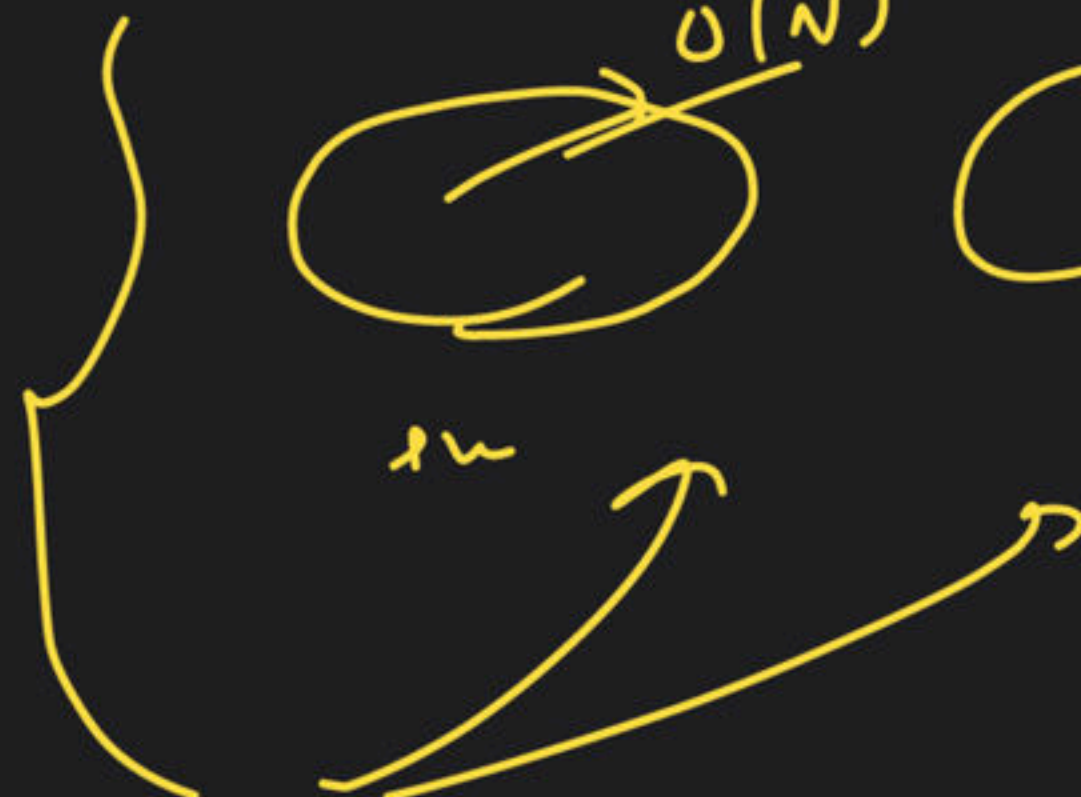
string

$O(N)$



0 sum

$O(N)$



```
for (auto val: arr) {  
    cout << val;  
}
```

→ vector<int>
→ vec <int>
→ ~~vector~~ <int>
→ int

CP DSA

Macros

-2^{31}

maximum found

$2^{31} - 1$

int maxi =

INT_MIN

-1

minimum found

int mini =

INT_MAX

0

ans store

ans store

~~spoilt~~

~~CP~~

VA

~~dsa~~































