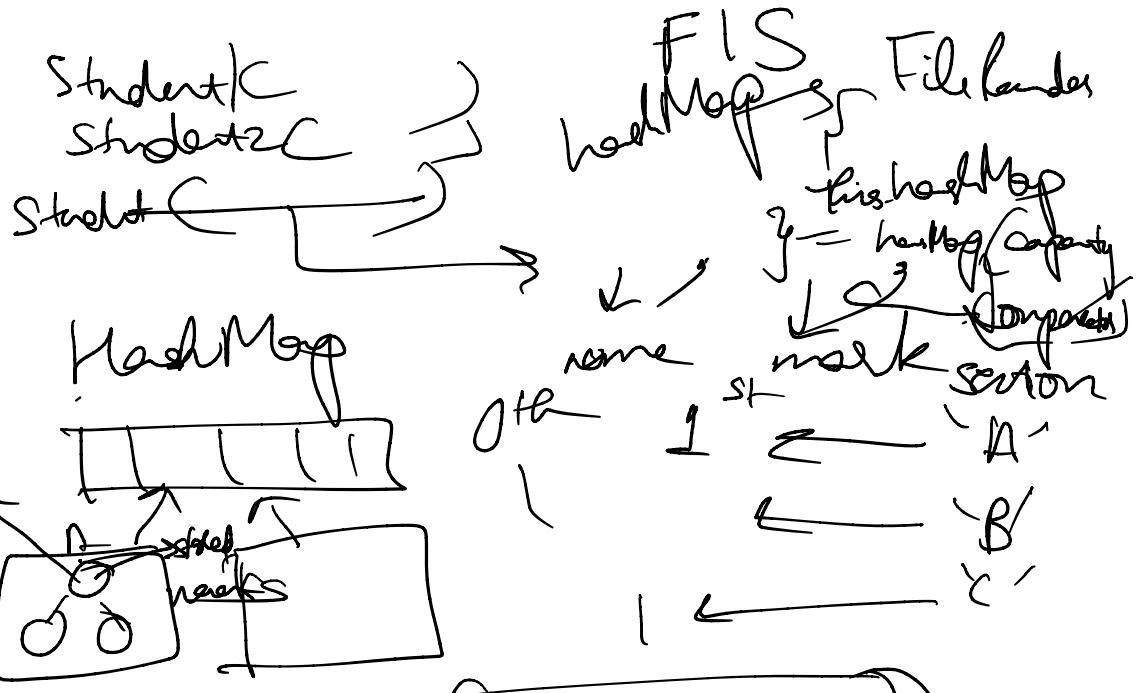


CSE 12 5/31/22 ✓

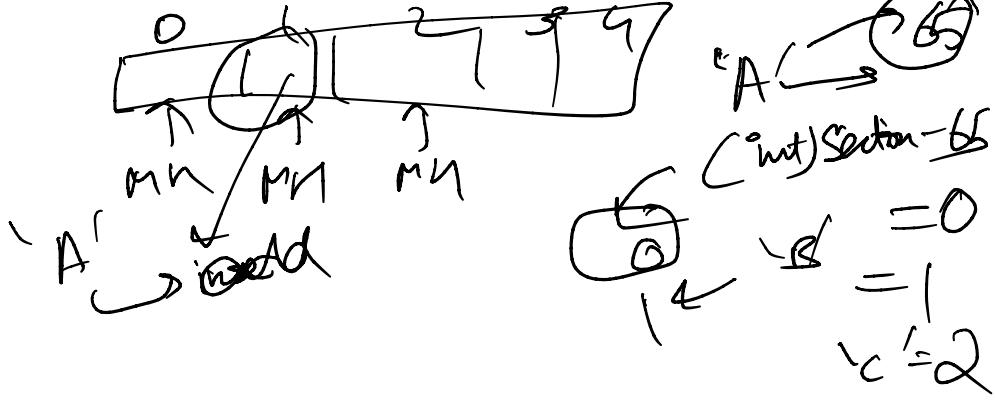
Week 10 Review Session



lastMap(cap, maps)

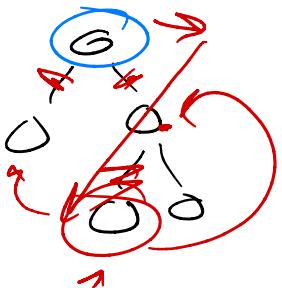
cap = **New Empeteor(Student)**
 \rightarrow **MaxMap** **int** **capacity** **size** **1, Star 2**
 \downarrow **S1marks** **S2marks**

buckets = **new** **A[**capacity**]** **{MaxMap[k, v]}** **(capacity)**



function $golf()$
for $i = 1$ to n
do $o(a)$

function $put()$ \rightarrow
do $o(1)$



max n
min

Exam 2

for (int i = 0; i < n; i++) {

for (int j = 0; j < n; j++) {

}

}

for (int i = 0; i < n; i++) {

for (j = 0; j < 3; j++) {

}

?

for ($i \rightarrow n$) {
 → if ($i = 0$) {
for ($i \rightarrow n$) {

3

3

3

int $i = 0$ \downarrow 1

for (int $j = 0$; $j < n$; $j + 1$) {

$$\cancel{n + 1 = n}$$

System.out.print ("Hello");
ECC $\Rightarrow n + n$

ECC $\Rightarrow O(n)$

$$1 + 1 + n + 1 + n + n + n^2$$

$$n^2 + 3n + 3 \rightarrow O(n^2)$$

```
f = <           > {  
    :   |  
    bar() ← 1  
    :   |  
}           → o()
```

bar() 4

OC(1)

3

$\underbrace{\text{for } (\text{int } i \rightarrow n)}_{\sim n^2}$ } $\text{for } (\text{int } j \rightarrow i) \rightarrow n^2$

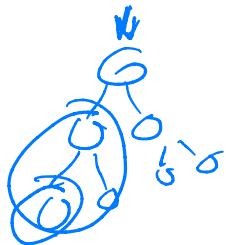
logon routine

bst

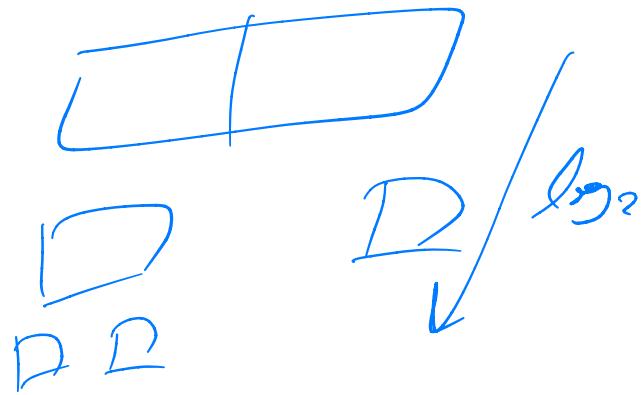
merge sort (alg)

BST

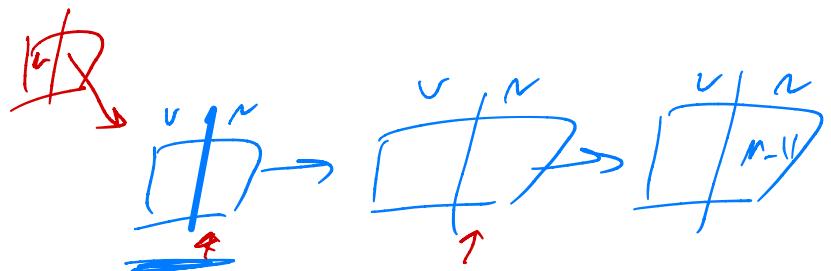
$f \gg s \gg i$



\log_2



D



\rightarrow node



Node current = this.front.next
int i = 0;

while (i < index) {
 " "
 current != null

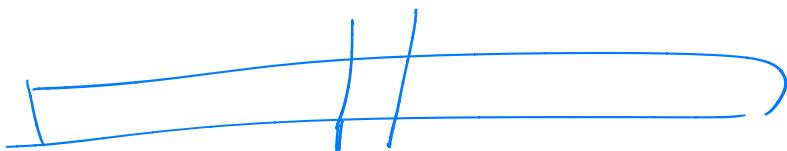
current = current.next

}

Flipped Method - Exam 1

AL

flipMethod(Er)



a b c d e

flip Around ('c')

d e c a b

get^{to}Index ('c')

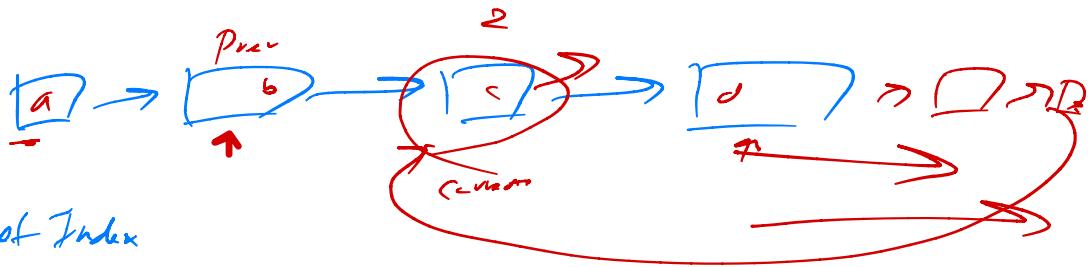
[] Before pivot

[] pivot

[] After pivot

After, pivot, Before

LL



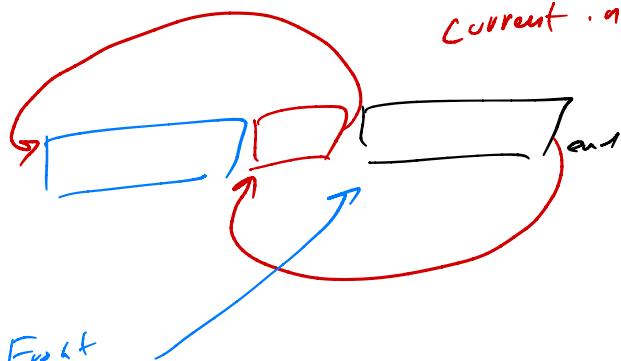
got Index

Before

prev = null

current

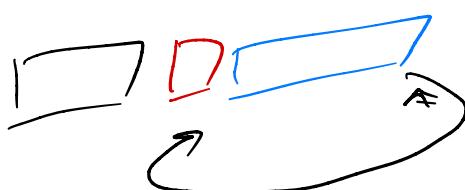
current.next

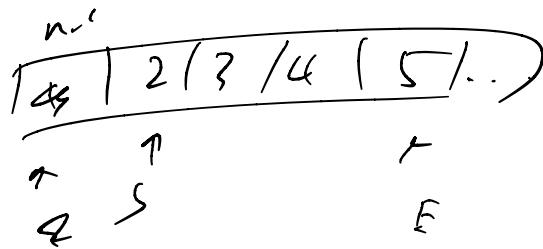
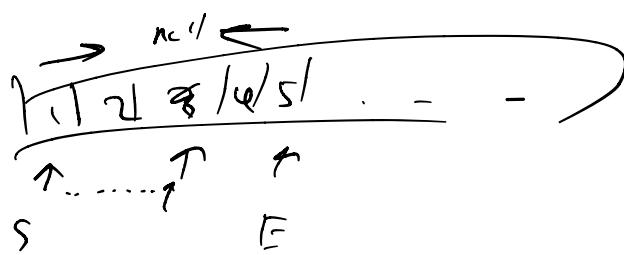
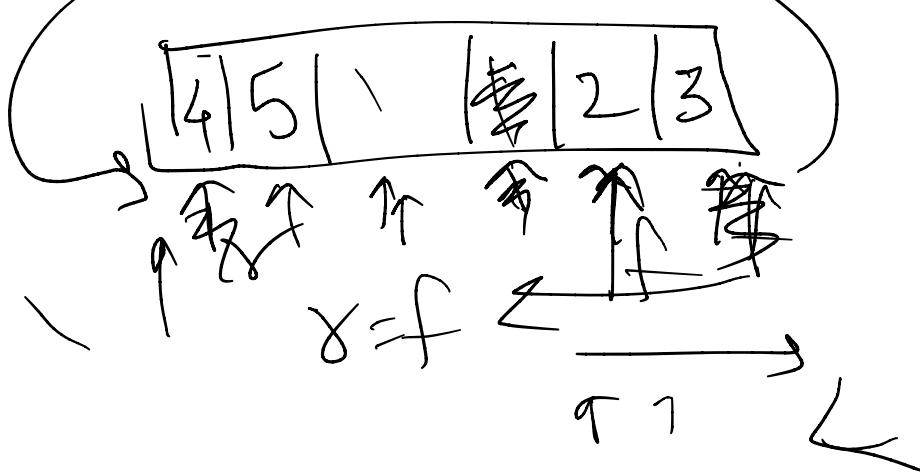


current.next = this.front.
next

front.next = current.next

end.next = current





int i = getNum();

class Num

static int setNum();

int return Num();

return getNum();

↑

3

3

IntCompu implements Computer < Integer ? {

int compu (Integer A, Integer B) {

return A - B;

3

3

for (int i = 0; i < n) $\rightarrow n$

for (int j = i; j < n; \downarrow) n^2

if (j % i == 0)

for (k = j; k < n; \downarrow) $\Sigma \rightarrow n^2$

3

3

$$\frac{n^4}{4} = n^3$$

i = 5

j = 25/5

0 5 10 15
20

$$n + n^2 = \underline{\underline{n^4}}$$

void

return;

button

try/False

String

return

ive

o

Object

null

No JUnit in Submissions

Unexpected Error?

PASSED Tonight 10pm ✓

PA Hard deadlines 6/3 10pm

)

')

x -

'

x -

'