Node { int vali Node next; 910 (ak 30 715) 4k 20 2k nude pru; 10 41 916 214 TK 11 2 Node head;

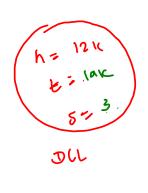
Node tail;

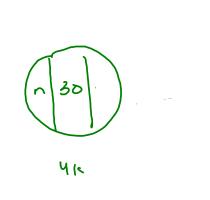
7 int 817c -)

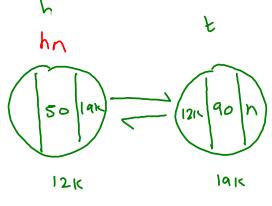
> nn.next = head head.prw = nn head = nn

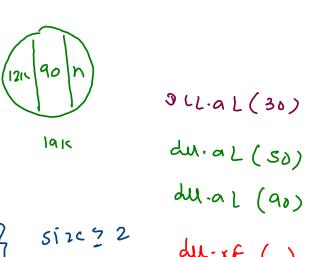
du.af.(30) du.af.(50)

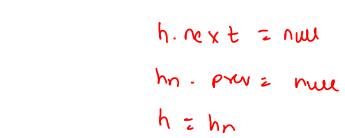
du. af (60)







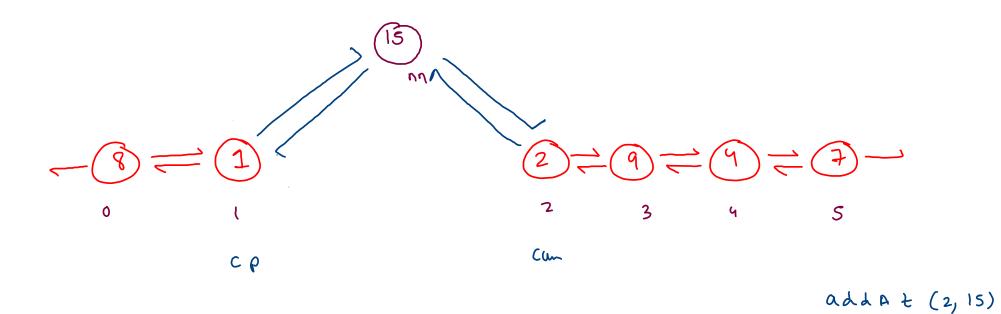




head:
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DLL-8L()

0 (1)



1 dy = 5ine -) al 1 nvalit 1 dx . 07 1 dy 11 idx 7 517c

idx = 0 -1 af

on. next zon

idx, val

cp.next = nn

nn. pwz cp

cn = gn A (idx)

pn.next = Jn

Jn.prov = pn

cn. ney } = cn. prov = null

```
Node nn = new Node(data);
Node rfnp = refNode.prev; //reference node prev'

rfnp.next = nn;
nn.prev = rfnp;
nn.next = refNode;
refNode.prev = nn;

size++;
```

addectore (9), 16)

3

Addlast ();

nn. prov = rj

nn. nex t = r

rjn. prov = r

adda Jta (9), 15)

ij (rj = = head) {

// do nothing

Selse ij (rj = = head.next) {

Tomore First();

pn. next = 1]

rj. prw = pn

Cn. next = cn. prw = nul

$$ij(i) = \pm \tan \lambda$$
 {

// nothing

In. $prw = ij$

$$ij(i) = \pm \tan \lambda$$
 {

 $ij(i) = \pm \tan \lambda$ } {

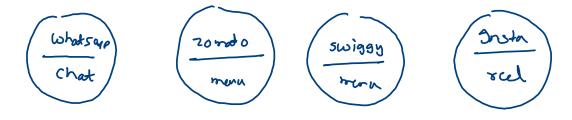
 $ij(i) = \pm \tan \lambda$ }

ion ore los & ();

remove After (12)

LRU cache least reconfly used

limit = 4



Wmit = 4 415 101 815 1515 araba [ranove Node (1010)
proct [Addlast Node (1010) No de ? appnance ky vs val anstate now add Last Node()

hm.size() > limit 9 Node pro ryonence oup prome Node nert remove First ();

2010

```
Input
```

Wmit = 2

