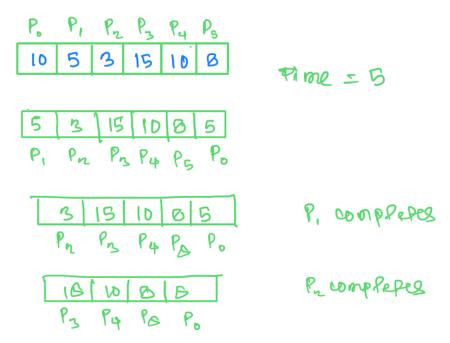
UN NED USPS (Background & Intro)

PtobPen with Attays

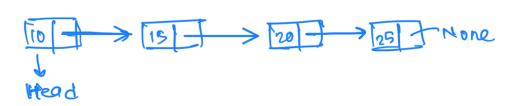
1 How to implement found-Pobin scheduling?



This becomes difficult with attays, as

2) Usiven a sequence of Hems, whenever we see an item of instance of y

Linea USB



Almada and alam



CP98 Node:

temp? = Node (20)

temp? = Node (20)

temp? = Node (20)

temp? = Node (20)

temp? next = temp?

temp? next = temp?

temp? next = temp?

head = temp!

shorps Implementation

Ly head = Node (to)

head.next = Node (20)

head.next.next = Node (20)

Applications of LL

- (1) USAHBA CORR PABLISTION at end & begin are DLI).
- DERECTIONS & depetions in middle are DCD. 18 we have they dence to previous node
- @ who test were deletion grown beginning is OU).
- 4 Pound Pobin imprementation.
- (B) Merging tous souted linked list is poster than other use of Implementation of simple memores manager where use of
- 1 Implementation of simple memory manager ushere use need to link the blocks.
- P RASich implementation of Buene & Deque data structures.

PROV CHEUP



```
mead
```

def preinfliet (nead):

LNES = head

LNES = None:

Print (curs. key, end = "")

LNES = LNES. next

Insultation at the beginning

LAOS Node:

def __init__ (self, rey):

Self. reg = key

self. next = None.

def insort Begin (hear, key):

temp = Node (key)

temp. next = head

terus temp.

Insortion at the End

def insortend (head, key):

if head = = None:

4 repulse Node (key)

LMTS = head

visible LMTS. next! = None:

LMTS = CMTS. next

CMTS. next = Node (key)

Heture head.

Brestion at given position

def PABBAPOS (head, data, pos);

temp = No de (data)

if pos ==1:

temp. next = head

4etten temp.

Cuts = head

Box i in temps (pos-2):

Luts = Luts. next

if Cuts == None;

10 - 20 - 20 - 90 - 50 14C

(m) (p18, n)

thet wan head temp, next = cuts, next cuts, next = temp tead

Depete pital node

def del Pitost (head):

if head == None: Het uzn None

ePSE:

HELLIN head, next

Depute past node

dep deplosatione (head);

if head == None:

4tepuson None.

if head. next = None;

49ep Wan None

CH13 = head

uthile cotto. next. next ! = None:

CNAD = CNAS. NEXO+

LATER . NEXT = NORE

4000 head

Depete Node using points

def delepenode (ptr):

-lemp = ptg. next

pto. deta - temp. deta

pttz. next = temp. next

(del 30)

EABOHLADON in SORPED RIST

def soleped Insort (head, vaf):

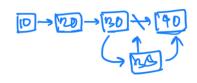
temp = Node (val)

if head = = None:

41etuson temp

elif val < head.data:

-lemp, next = head



Het usin tump

epse:

cuts = head

while cuts, next = None & cuts, next day < val:

cuts = cuts, next

temp. next = cuts, next

cuts. next = being

Het usin head

Middle of linked 421

- Fretzate unsough and count nodes.

- 2nd pass, etersate toll count 1/2 & proint

- true point what (head):

if head == Hone:

treturn

8Pous = nead

80st = head

unite 80st = head

unite 80st = 20us next

80st = 60st next

Print (spous data)