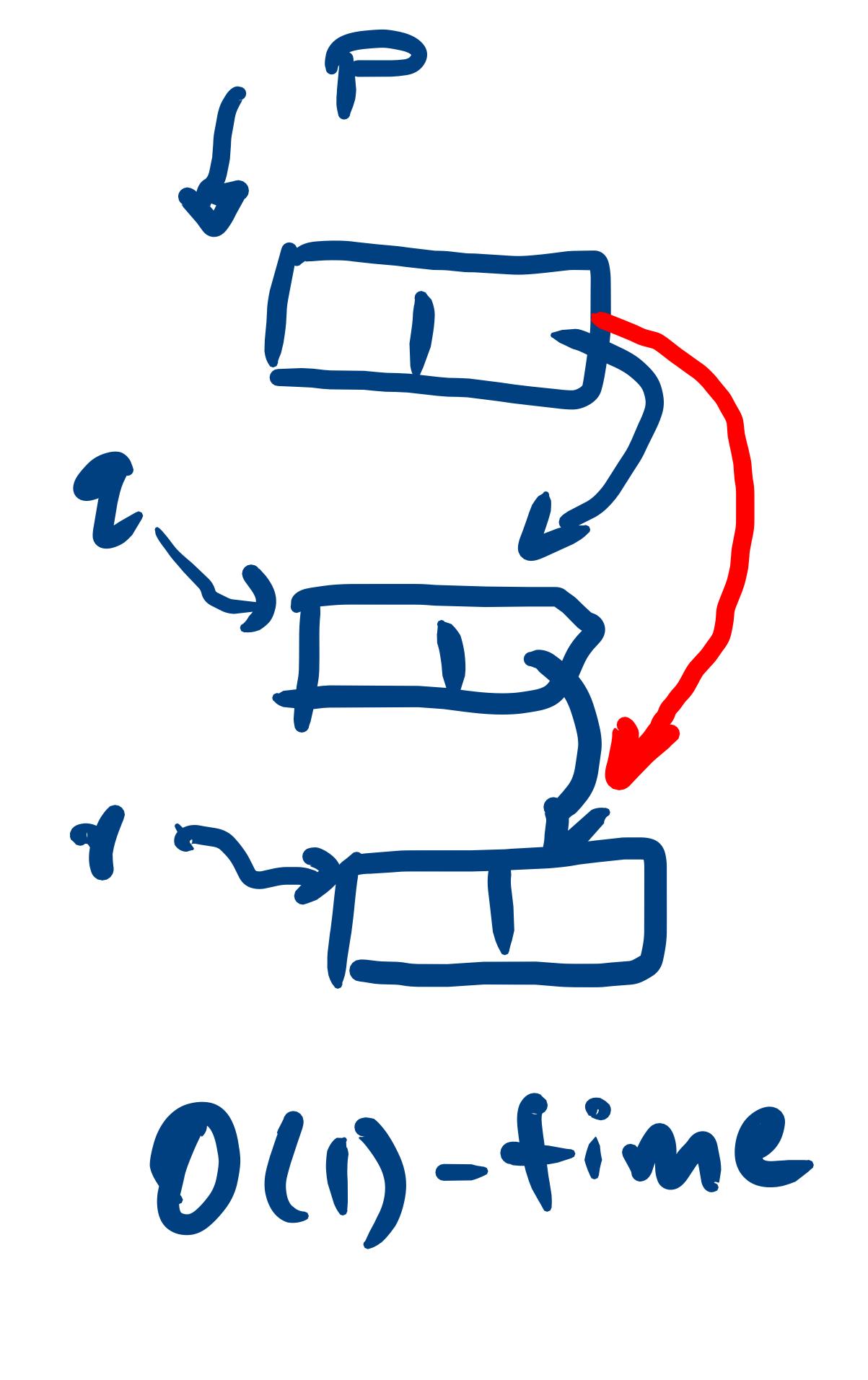
d elete (1973. Not a good option. Need access to C. delete_next(P) + delete the mode following

P from the list 13-3 all 3-1.

ducte-next(P) Q=Panext 1- Wonext P. Next- 8 7 delete 1. deallarate Memory for 9.



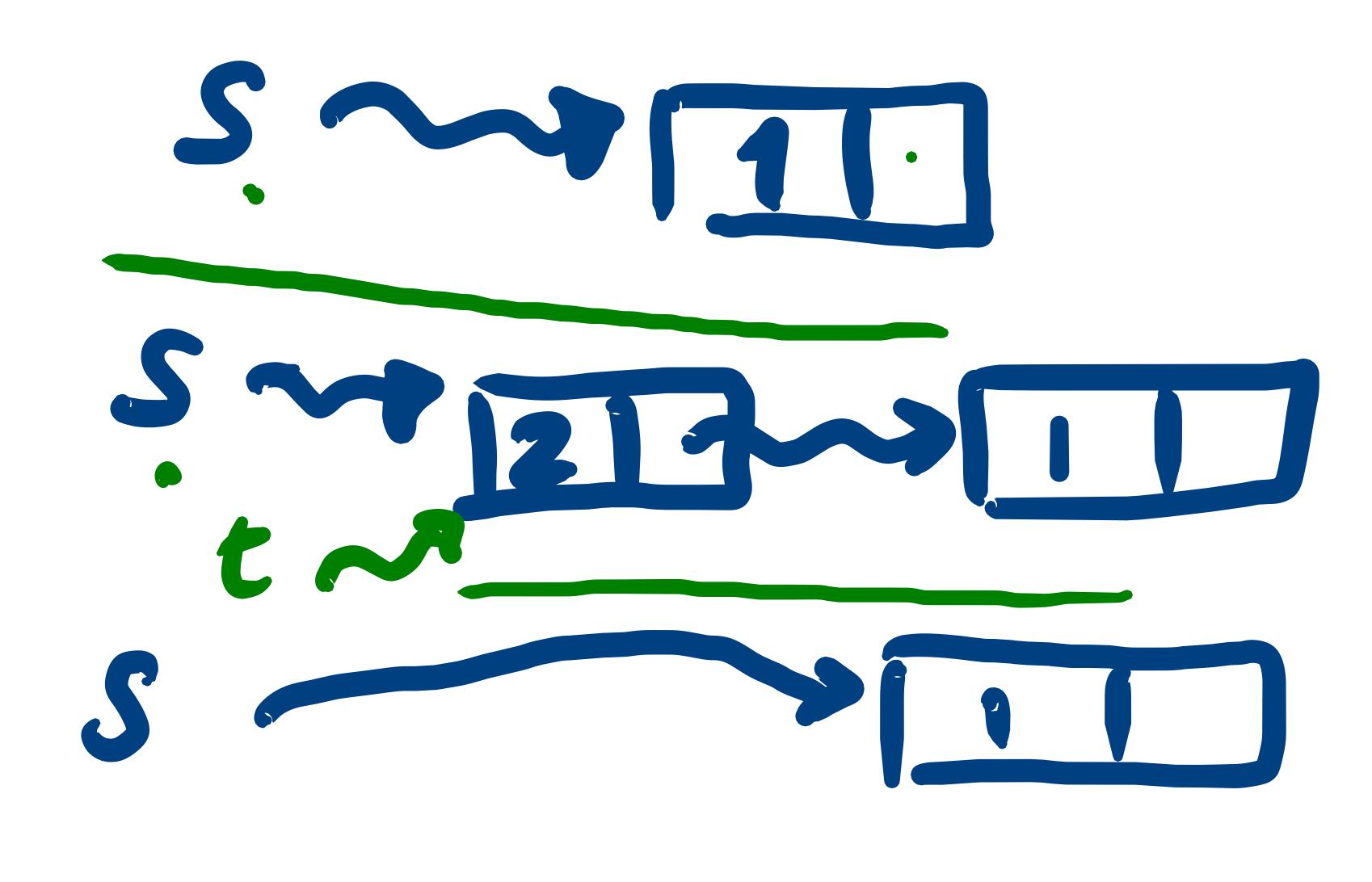
What happens if P is last elt? Two Solutions 1. Require P is not last ell. 2. Check and do nothing if Pislast.

1.is faster 2 is Safet

Stacks & Zueuls using linked list Pash Pap OCI)-time Stack is empty
empty
stacks How is empty stack represented 7. NULL

S= Chatte Pash(s, 1) Push (S,2) POPC POPCS





Pash(s, 4) F= Usmmage(n) t-next = nthum to set un s

Pop(s)

may be kallomle

Yetum Snext

Cmptq()
return NVLL
is-empty(s)
return s==NVLL

S, = Copy-Stack (S2)

Pap(t)
Print(s) //(3 1)
Pap(t)
Porint(s) //(3 1) S= empty() Push(5,1) E= Copu(S) Push (t, 2) Push (5, 3) Quint(5) // 5= (3 'ovint (t) // t=(2 | 1)

7 - 2 6 4 5 2 Print(a) // 3 Print(b) //

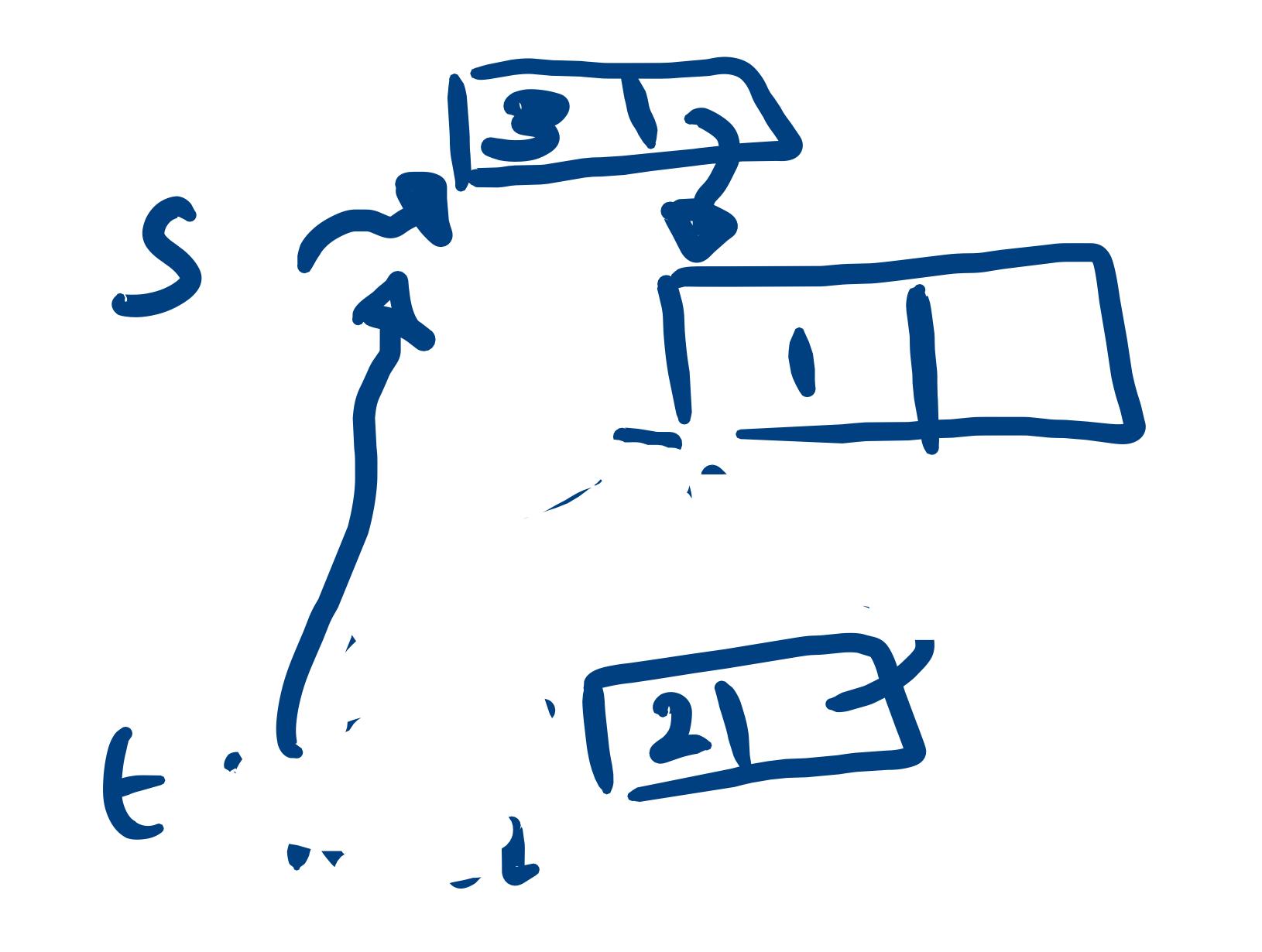
Be like water

(ppcon talk
"Be like int"

Capu-Stack()

arrow: DL(n)
allocate a new currou
copy all cits from old amon
to new arrow

Linked List 9.



"tail-Shaving"

(enables Copy stacks)

(opy stacks)

(opy stacks)

Rush (6,2) Push (S, 3) Pop(E) Pap (E)

CALAL

Engueur () (D(1)-time dequeur ()

hed with

Circular Singly linked list 13-33 Copy_quim() 7. CONNCY (COSTS