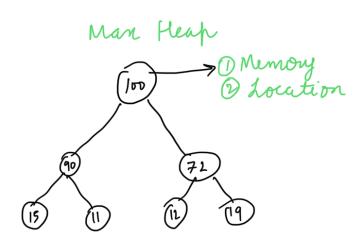
## Free Memory Management System

=> components: 1) Heap

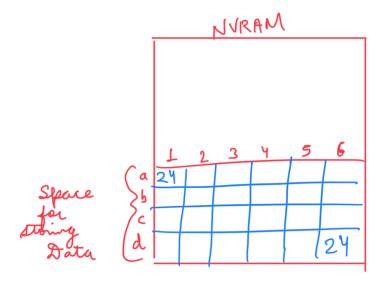
Orefix Sum and heap pointer storing in

NVRAM



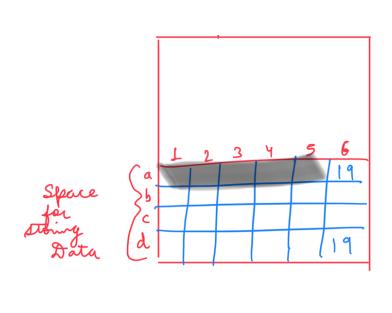


- 1 Insert: O(log(N))
- 2 Delete: O(log(N))
- (3) Increase Key: O( eg (N))

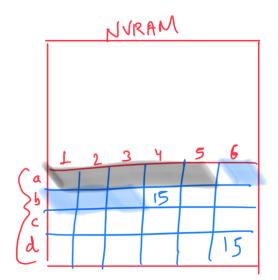


- 1) Smitial Heap
- 2 System Asks for 5 units of storage.

NVRAM 3 heap





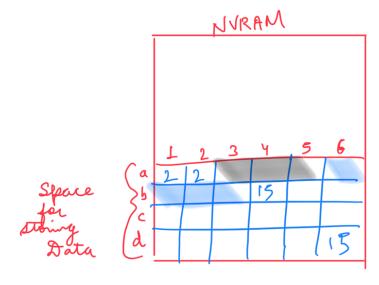


(g) System asks 4 units

Heap

(15)

hy

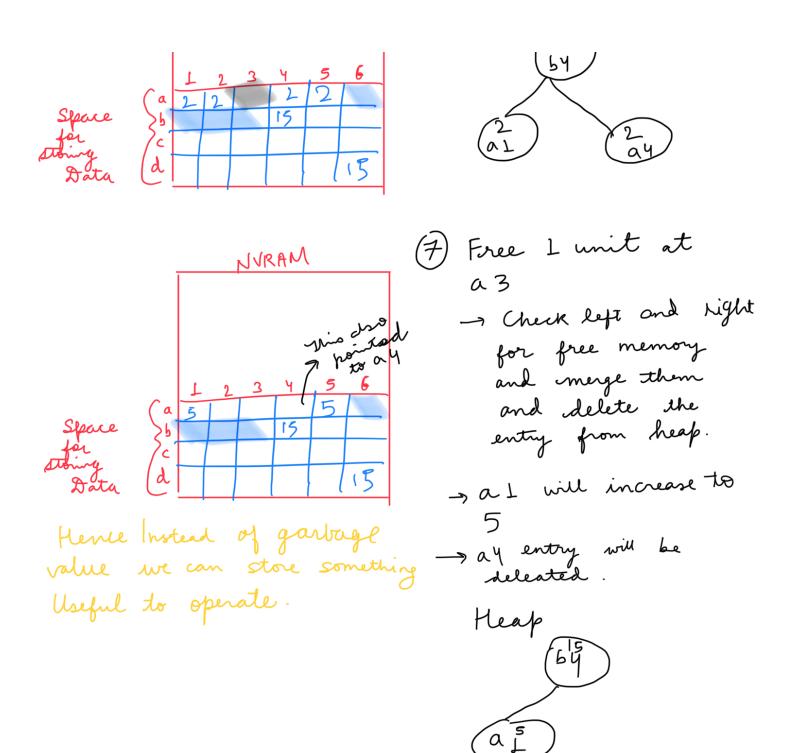


NURAM

- Free 2 unit prom al Heap
- Free 2 units from a4

  Heap

  (15)



nultiple heaps can be used