

Types of Memory



Primary
↓
R&M

Secondary

RDM, HDS, SSDS,

⇒ Cache

a very small but extremely fast storage size

Cach > RAM > Secondary

Speed

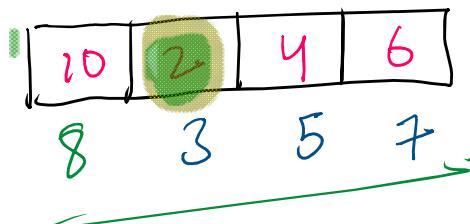
t cost

[mR⁰]

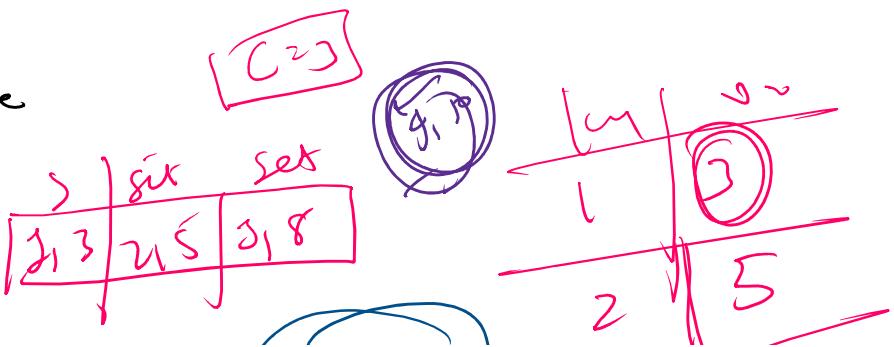
most oftenly
used

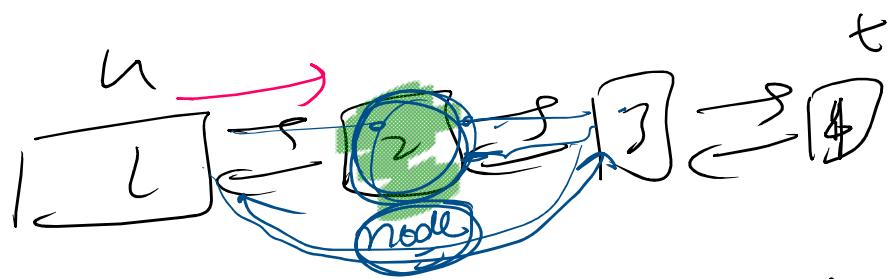
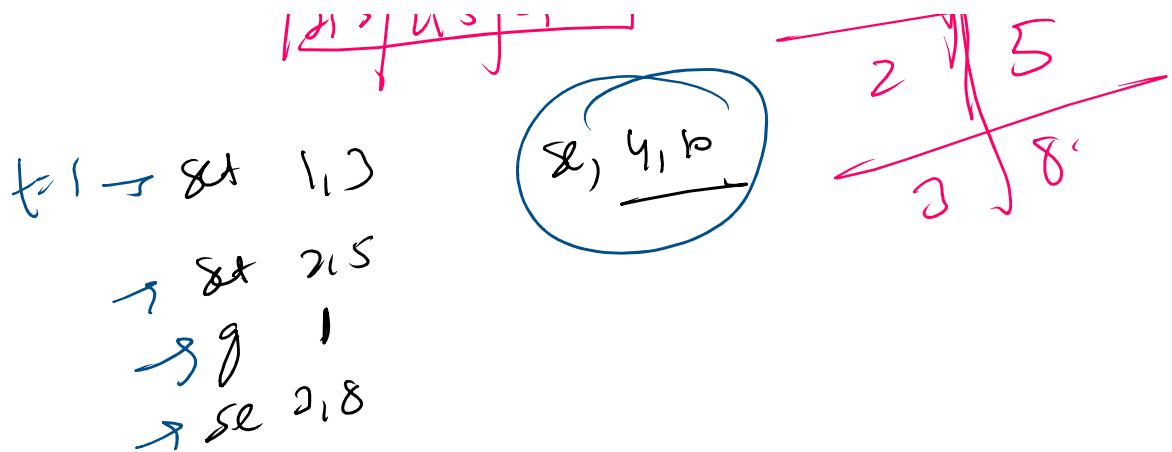
LFG

least recently used



ego = of VRU = cache =





Q) Deletion in a Doubly LL works in $O(1)$ when address of node to be deleted is given.

Sol^y

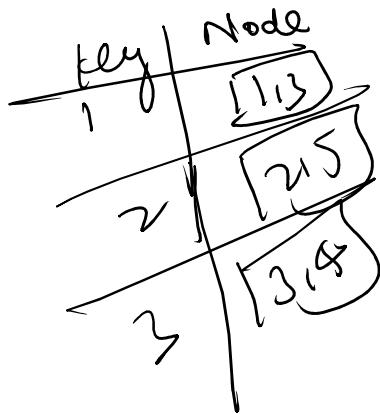
HashMap + DLL

→ The tail of the DLL will contain the LRU entry and head will contain MRU

C=3

Set 1, 3
Set 2, 5
Get 1 →
Set 3, 8
Set 4, 10

tail



⇒ get → key X → -1
key
→ de
→ (in) 1
→ set val J

