

longest subarray with equal number of 0's, 1's, and 2's over [] = { 1, 1, 2, 0, 1, 0, 1, 2, 1, 2, 2, 0, 1} Boute force

Spind all-the subarray

Cut no. of o's. 1's, 8 2's (OCN)

Sif cut are equal

Solve got a potential

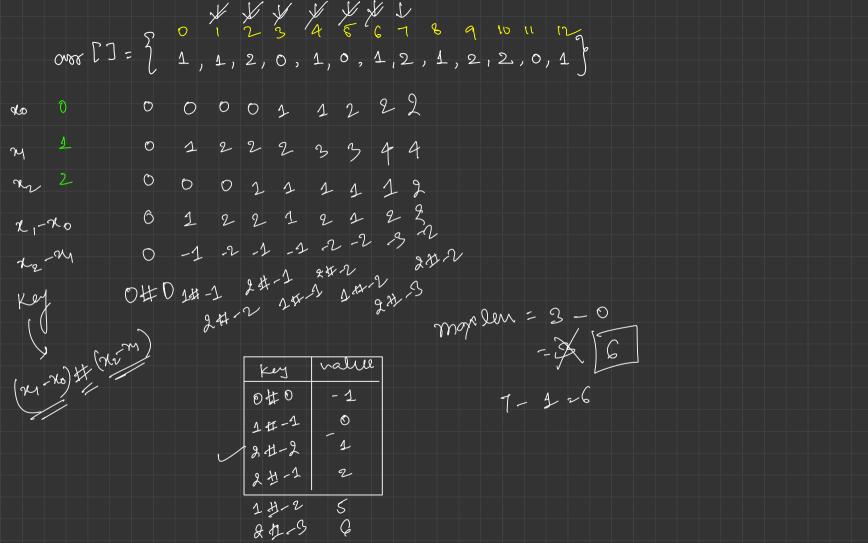
Shore max. len. and $\begin{cases}
 \text{TC: O(N^3)} \\
 \text{SC: O(1)}
\end{cases}$

 $OMST[] = \{ 1, 1, 2, 0, 1, 0, 1, 2, 1, 2, 2, 0, 1 \}$ 0,1,2 20 = 20 + y N 21 = 21 + y x2 = 22+7

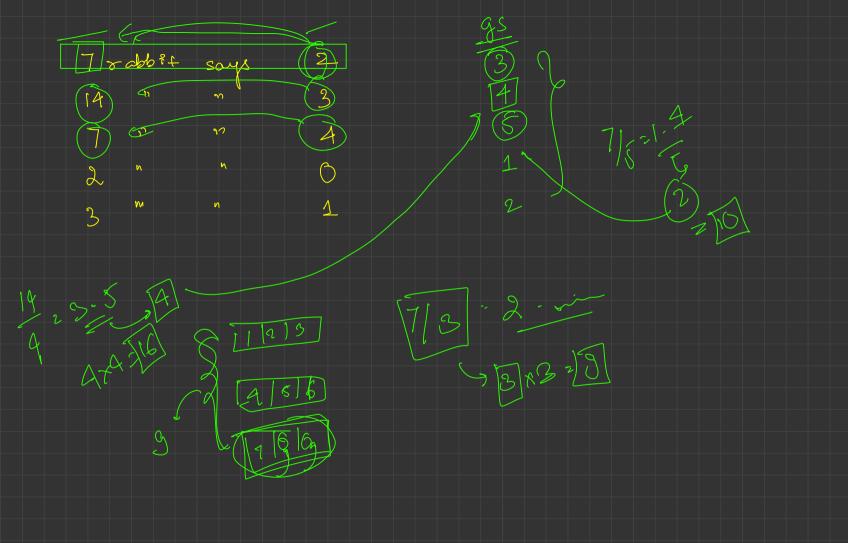
$$x_{0}' = x_{0} + y' - 0$$
 $x_{1}' = x_{1} + y' - 0$
 $x_{2}' = x_{2} + y' - 0$

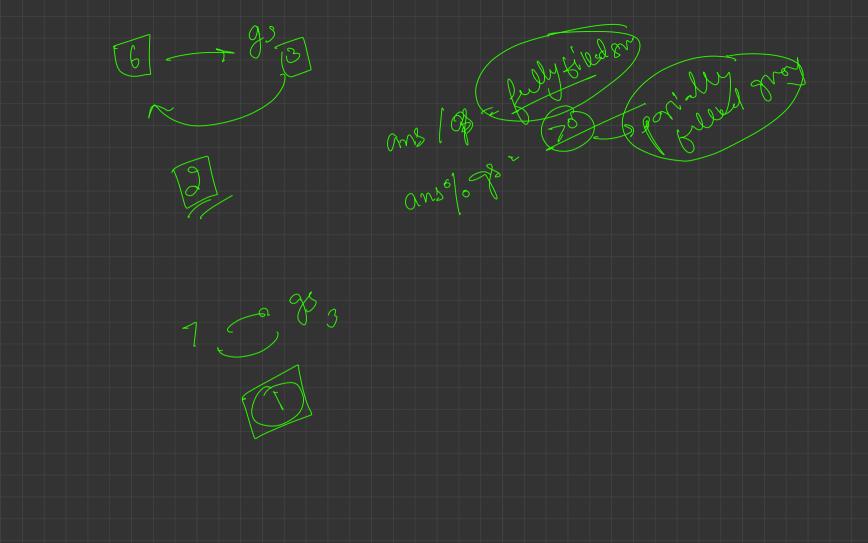
$$(x_{1} - x_{0}') = (x_{1} - x_{0})$$

$$(x_{2}' - x_{1}') = (x_{2} - x_{1})$$



Rabbit in forest 0008[]: {2,2,3,1,0,2,2,3,1 3+4+2+1+3 N = 13 ralobits





LRU Cache Scache Memory Managment & Sleast recently used & LFU & least freq. used & LFU & least freq. used & App 1 (opened) t = 0sApp2 (opened) t=10s Appl 200 Appl 405 (tugut) t=205 App 1 t= 305 t-.703 Opps (opened) op/3 200 Oppe (opened) Cache Memory { 3 Application is Capacity}

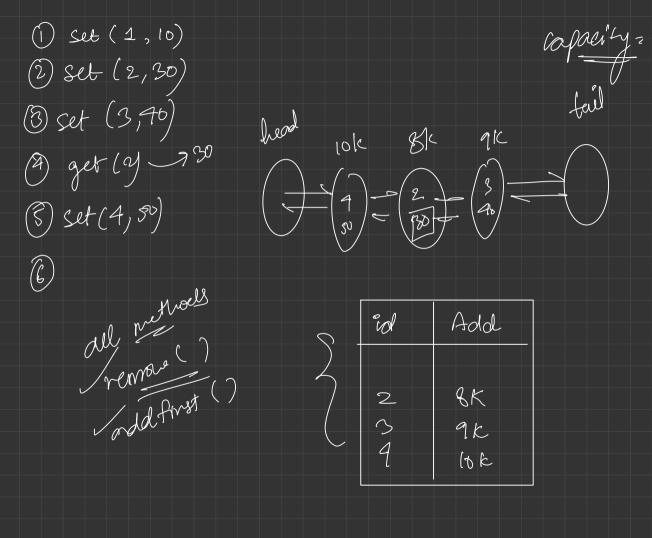
class LRUCache { // your code here

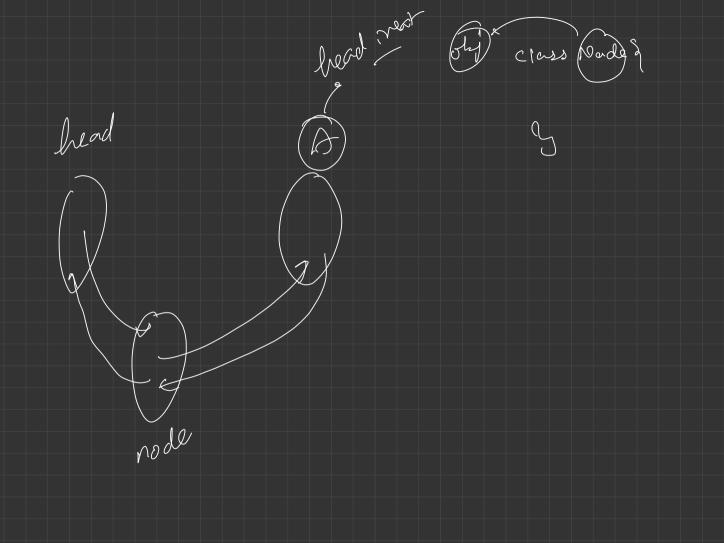
public LRUCache(int capacity) { } initialize capacity of cache

// your code here

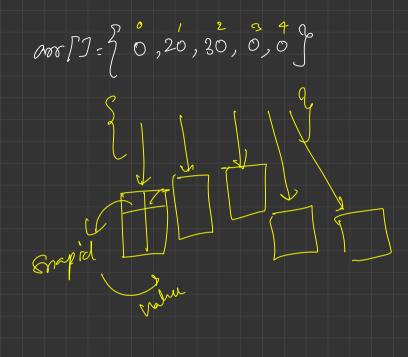
} public int get(int key) {
 // your code here
} > application grus some I Hence it becomes Most Recently of Used public void set(int(key), int(value) {
 // your dode here > opens a new application > to update value of a application S Most Recontupo

Nost Recently data stouchive WRO DU) remore Nodel) (and alto front () redus StackX queue X





mos[]= 70,20,30,0,0 Enapshot Goray Spublic SnapshotArray(int length) { public void set(int index, int val) { \$ 0, 10, 30, 0, 0 } 1, 0, 20, 30, 0, 0 } public int snap() { (1) Set (1, 10) public int get(int index, int snap_id) { (2) Set (2,20) (3) Set (1,20) map⁽¹⁾ (A) get (1,0)



ans []=70,0,0,0,0 class SnapshotArray { Snap-id, public SnapshotArray(int length) { public void set(int index, int val) { public int snap() { get (3,2) (1) Set (1, 10) (2) Set (2,20) public int get(int index, int snap_id) {

