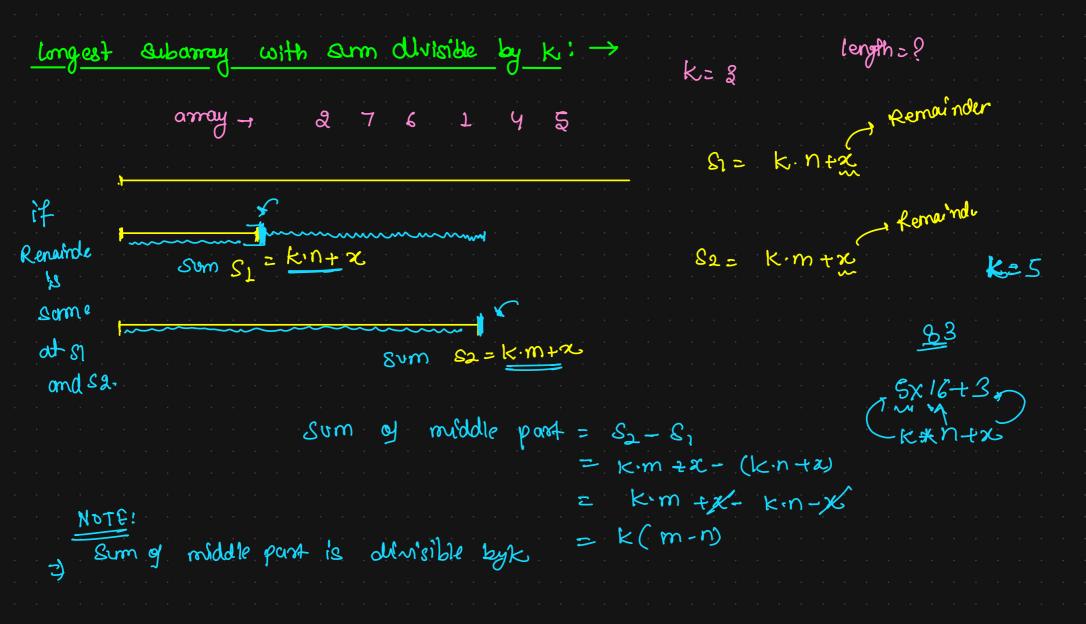
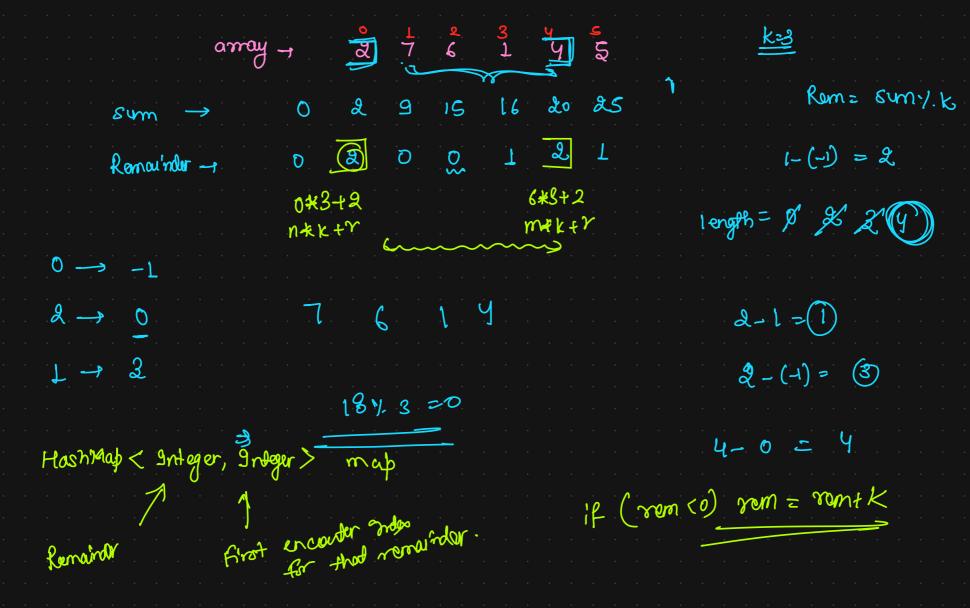
2nd Jonuary 2022

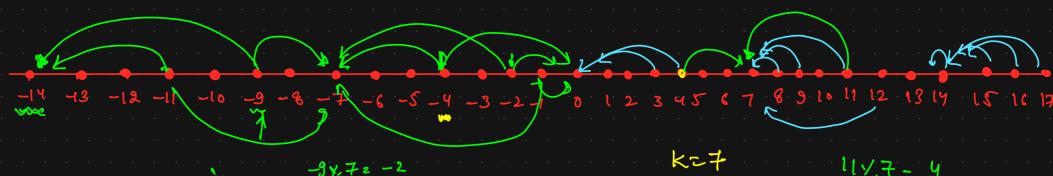
Today's Task

- 1. Longet subarray with sum divisible by K
- 2. count of subarrays with sum divisibly by k 3. longst subarray with equal number of Os, is and 2s.
- 4. count of Subarrays with equal number of 0s, 1s and 2s-
- 5. Task complets on



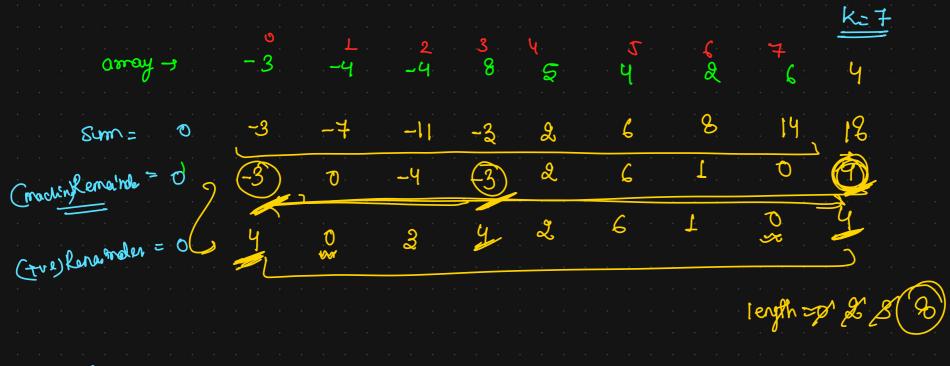
ormay. Er mus bz. G Hasim medo G Remodador -, Remainder is some for both cyclic drm s, Ls2 proces Szzkimtx i, < i2. To prove: Sum between i, to be is } Subarray from 1, to 12 divisible by k & s1 & sum of clernet $S_1 = K \cdot N + 2 \cdot N$ Jum 0 to 1, 82 = K. mtx Sa (sum form 1, to 12) = 82-S1= (k·m+x) - (k·n+x) & SI is sum of element = kim yk- kin/se from 0 toles 83 = k(m-n) sz is divisibly by k





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count of subarrays with sum divisible by K:->

K=5.

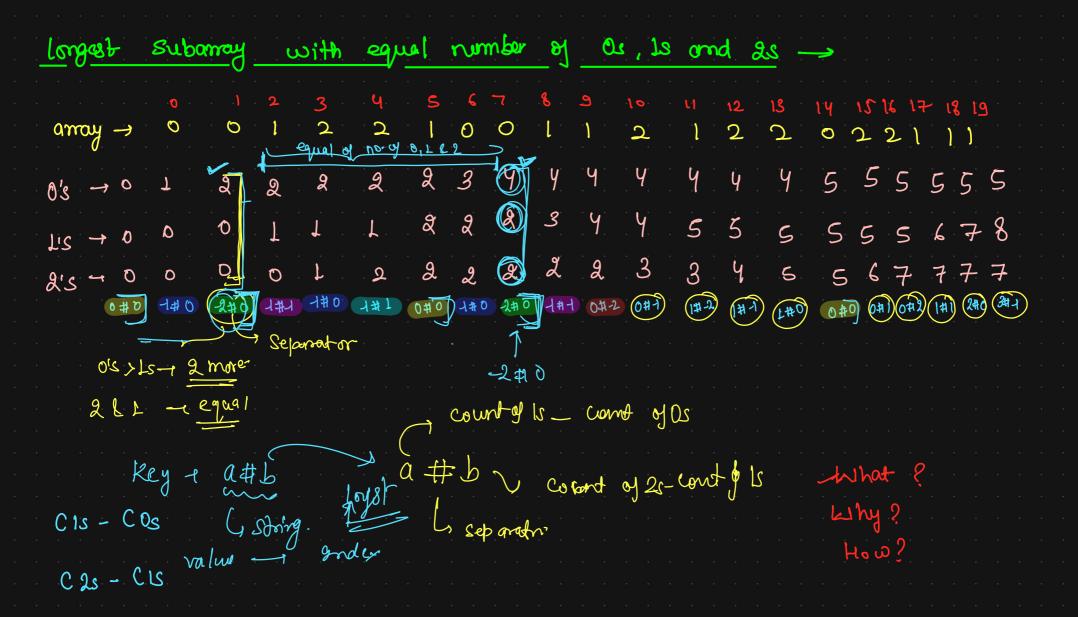
array
$$-9$$
 -3 -4 -4 8 5 4 6 -1

Sum -9 0 -3 -7 -11 -3 2 6 8 19

rem -9 0 -3 0 -4 -3 2 6 1 0

rem -9 0 4 0 2 4 2 6 1

1-1



count le serme et provions all problems,

use monage es unt 0, cout 1 and court 2.

Make key in front of a # b.

 $0 \longrightarrow count 1 - count 0$

b - count 2 - count 1

- separators.

Me toure to morage freq in value of hashmapgritial push [0#0-7]

