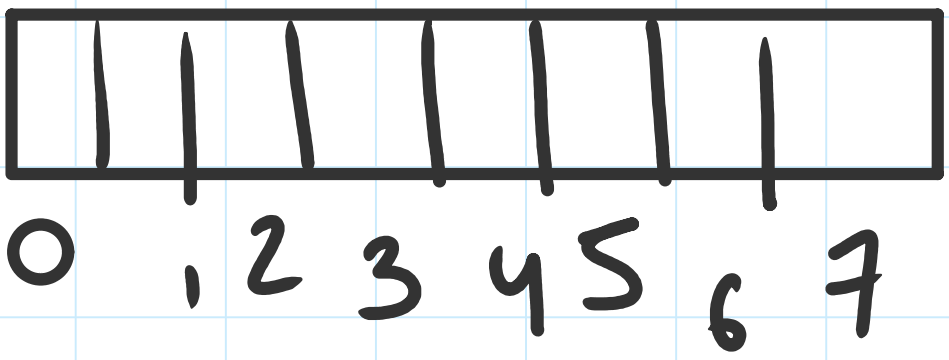
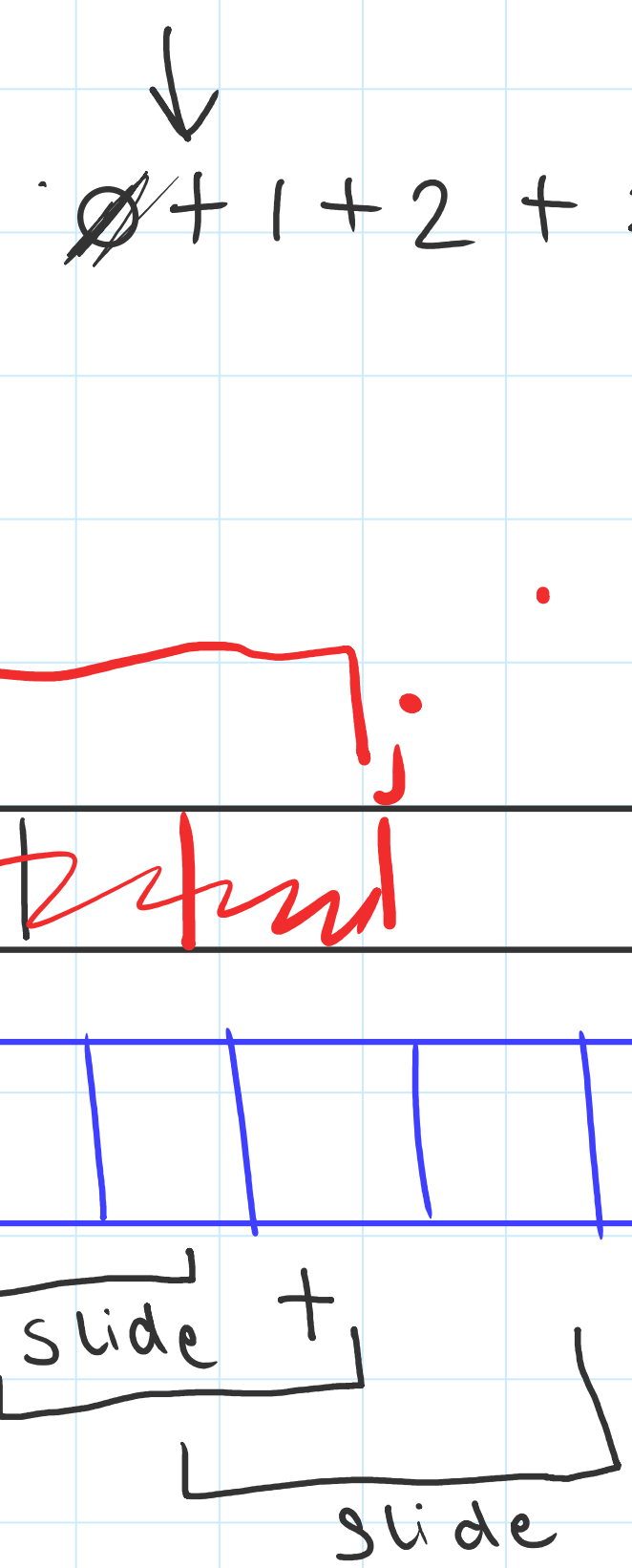
Improvement?



0+1+2, 1+2+3, 2+3+4

Repetetive task

0+1+2+3+4+5+6+7



- Identify
- array ya string ka question hoga
-

subarray
or
substring

→ K = window size de rkhi hogi

Sometimes window size ni dia hoga

Sliding window types

Variable size

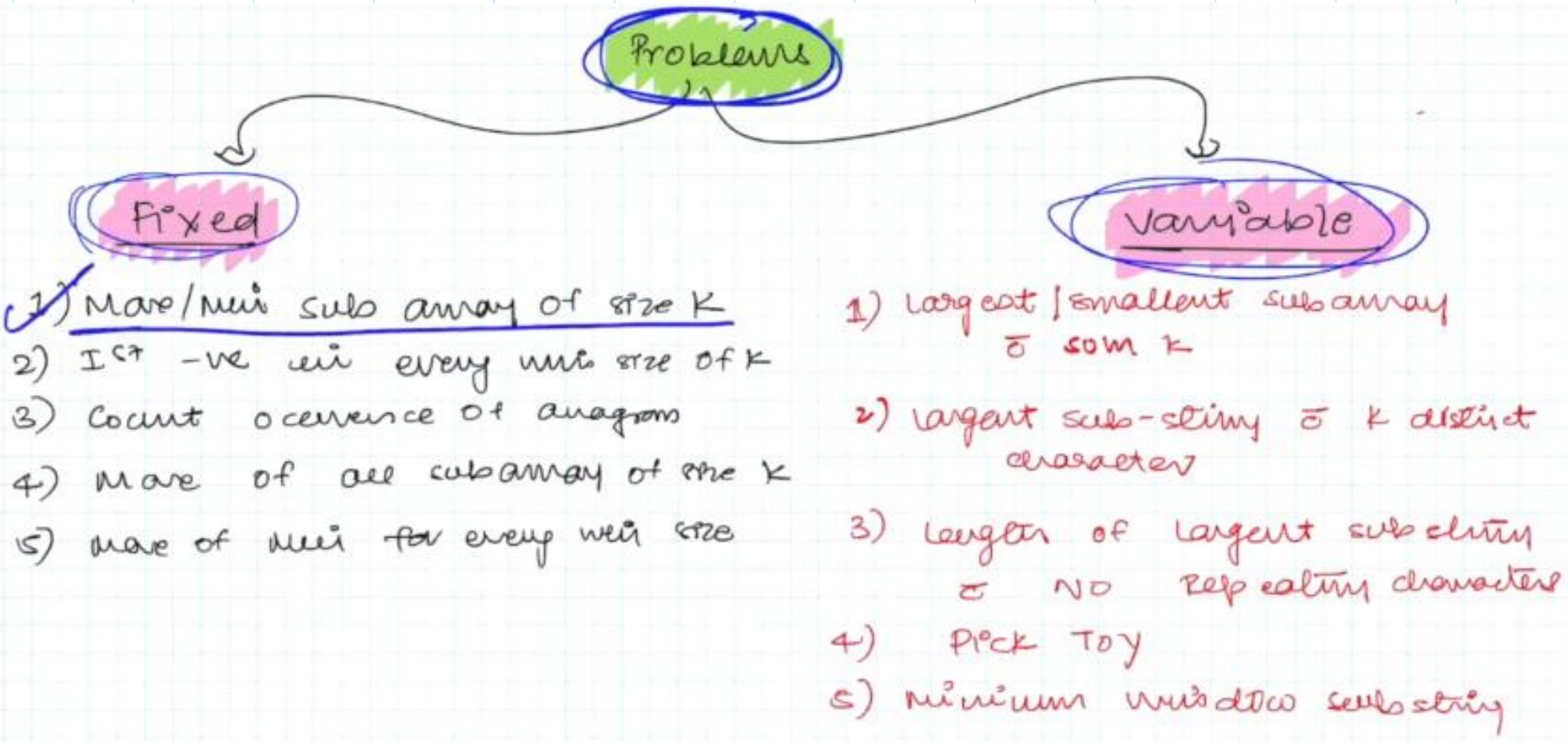
- de nhi rkhi hogi
- change KrsKte nai size
- largest window / smallest window

Eg: Sum de rakha hoga, like 5 de dia, and kitne ka 5 aanha vo btana hai

Fixed size

- fixed size given hogi
- like 3
- and 3 hit krte hi koi calculation krni hogi, jeise Sum nikalna

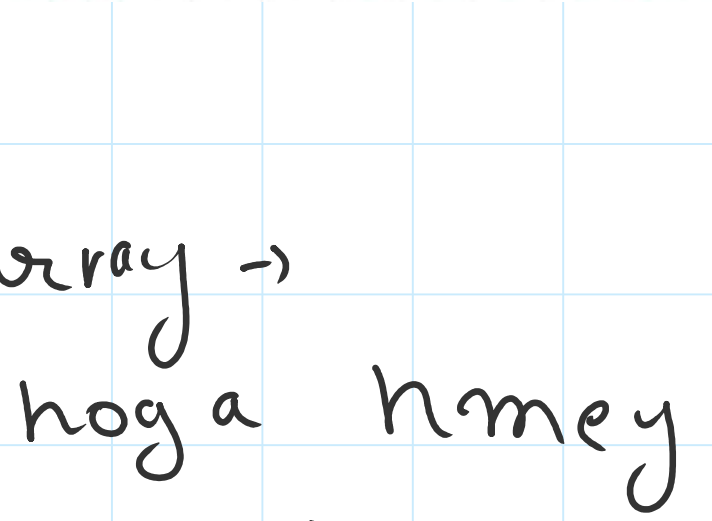
- 10 problems :-
→ 5 fixed size
→ 5 variable size



Max sum subarray →
provided hoga hmey window size, and uss window size ke sbhi sub array ka sum nikalna and,, jis subarray ka sum max aaye us return kna hai

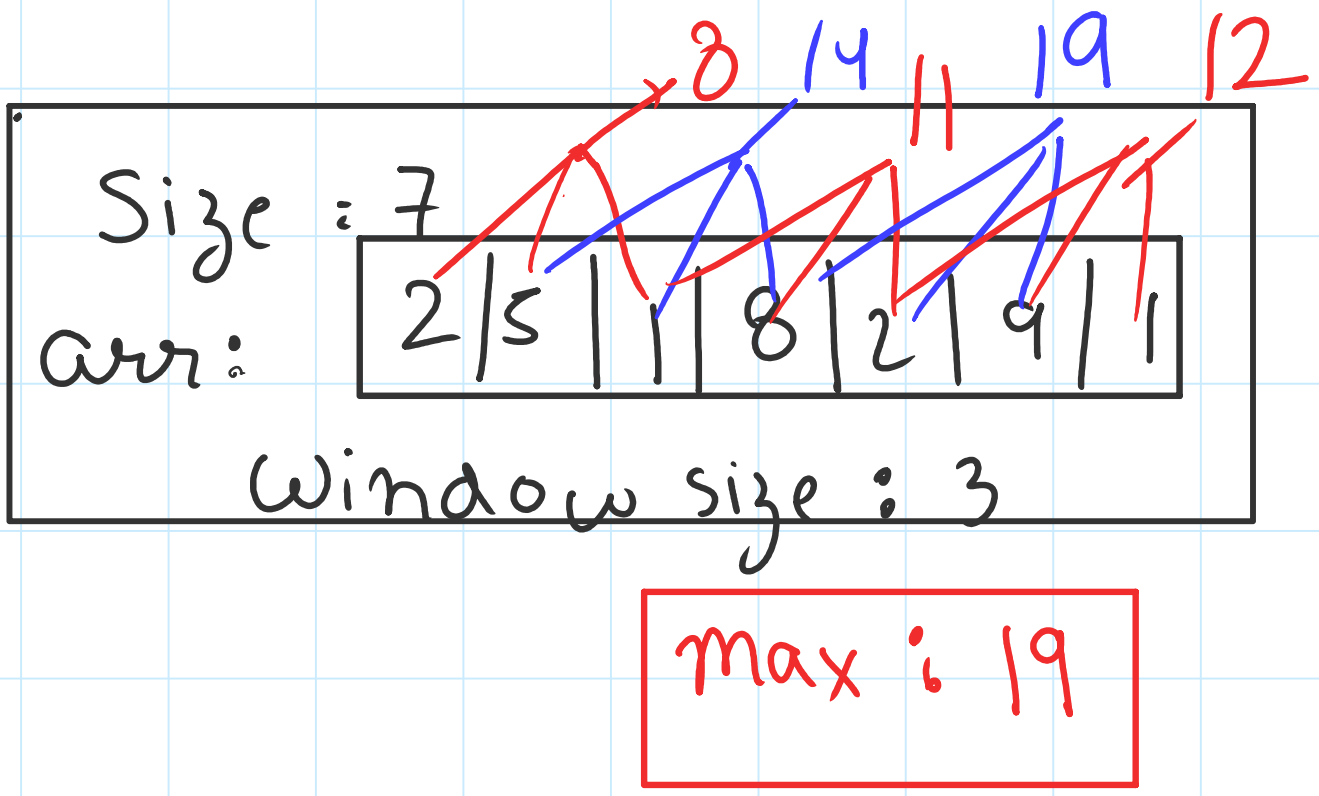
Size = 7

arr[] :



Maximum Sum Subarray of size K | Sliding Window

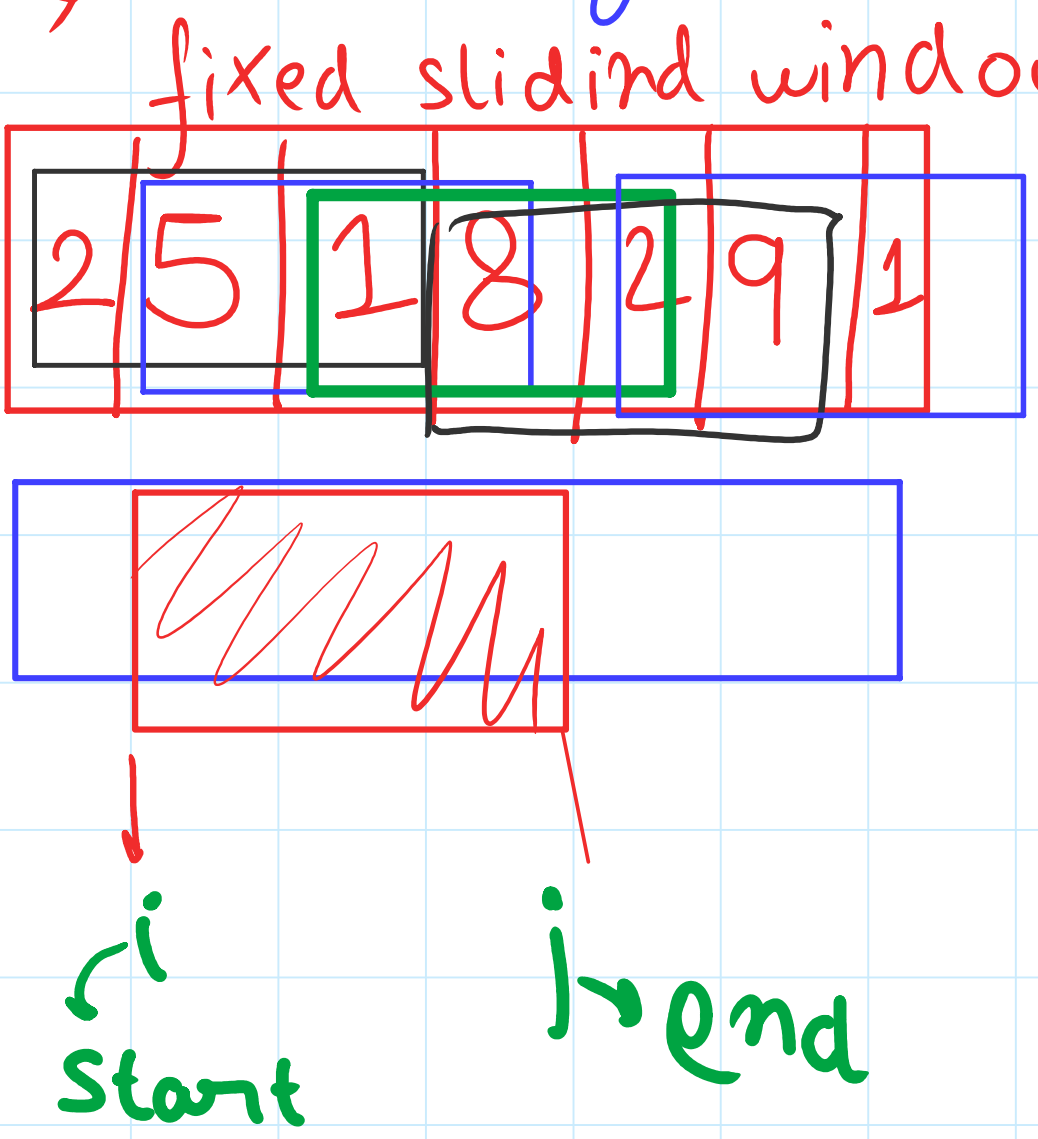
From <https://www.youtube.com/watch?v=KtpqeN0Goro&list=PL_z_8CaSLPWeM8BDJmIYDaoQ5zuwyxnfj&index=3>



Identification

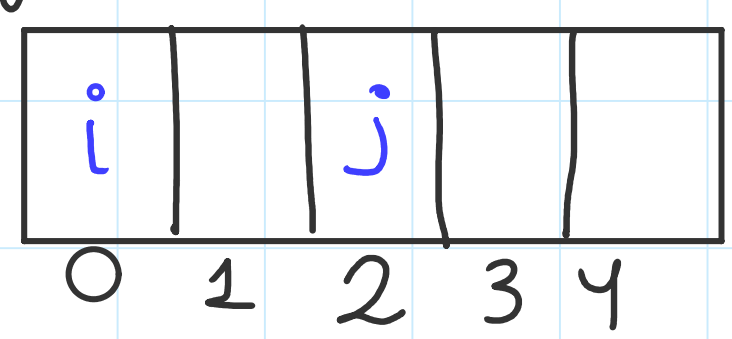
↳ Question asking :- fixed

- given 3 size window
- Subarray
- Array Question



Window size always comes out from $(j - i + 1)$ → becoz '0' base d indexing

Say mujhe 3 size window chaiye



2 − 0 = 2 but mujhe 3 size chaiye toh +1

So $j - i + 1 = 0 - 2 + 1 = 3$