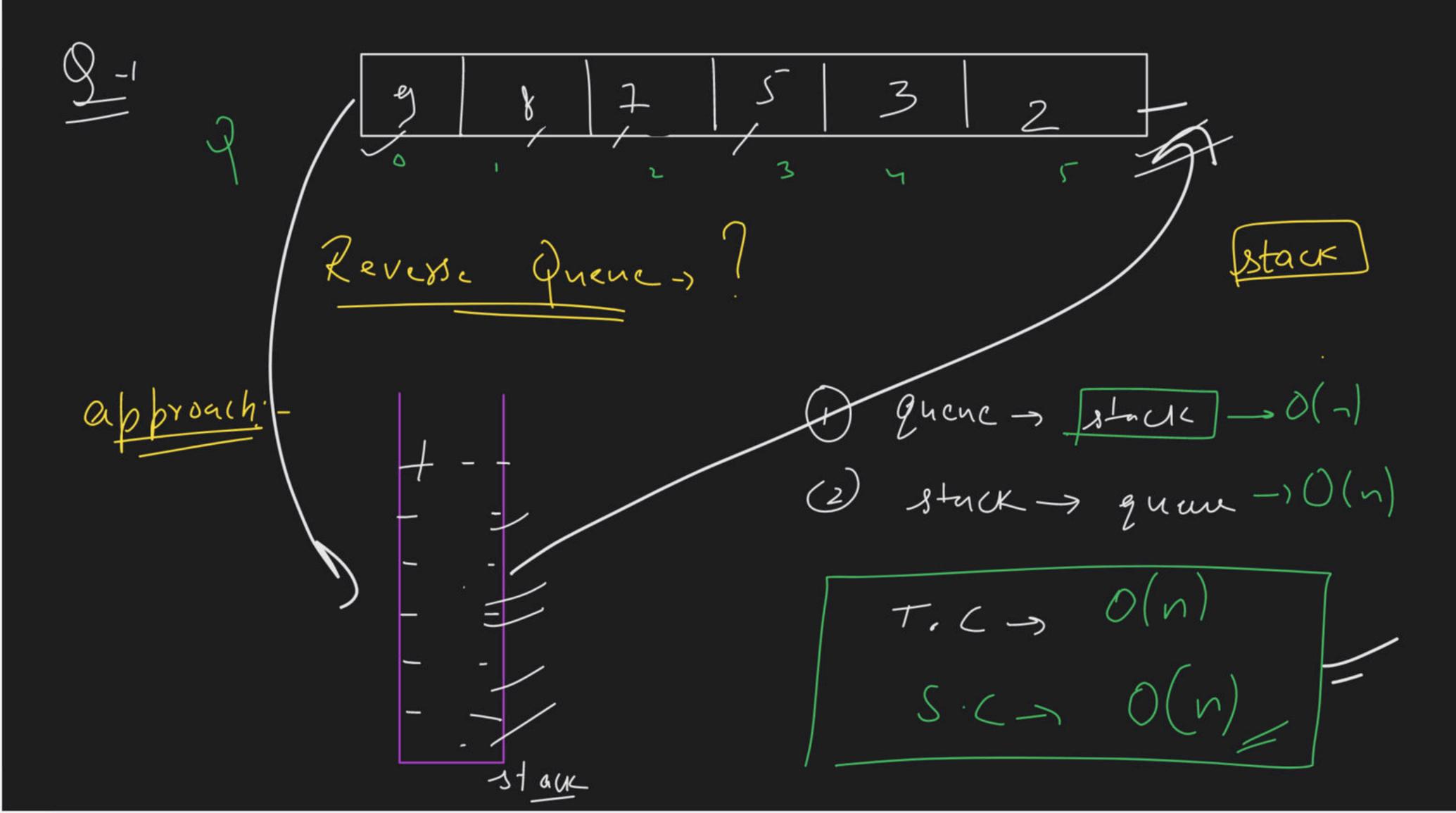
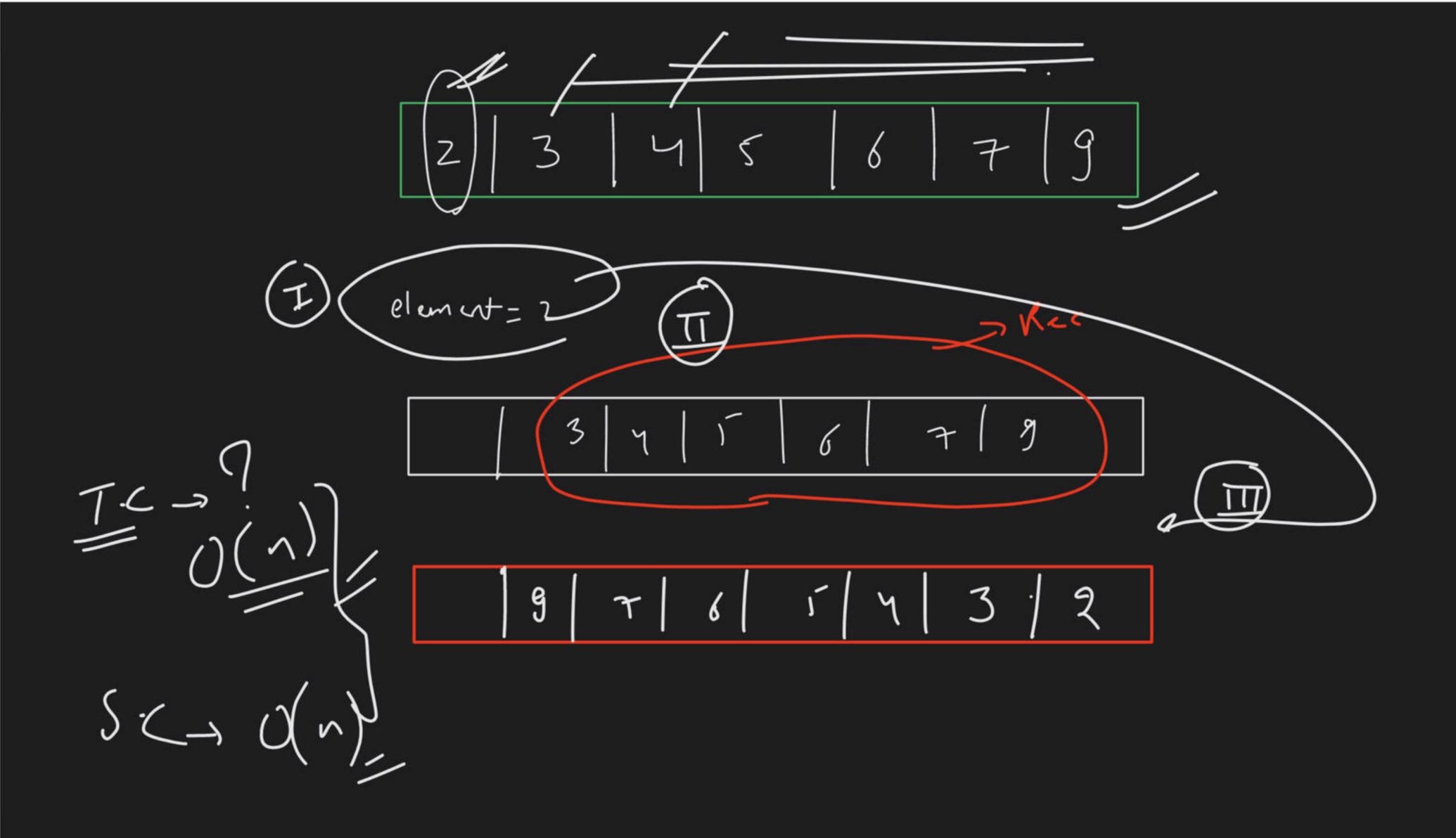


Foundation Course on Data Structures & Algorithms - Part II



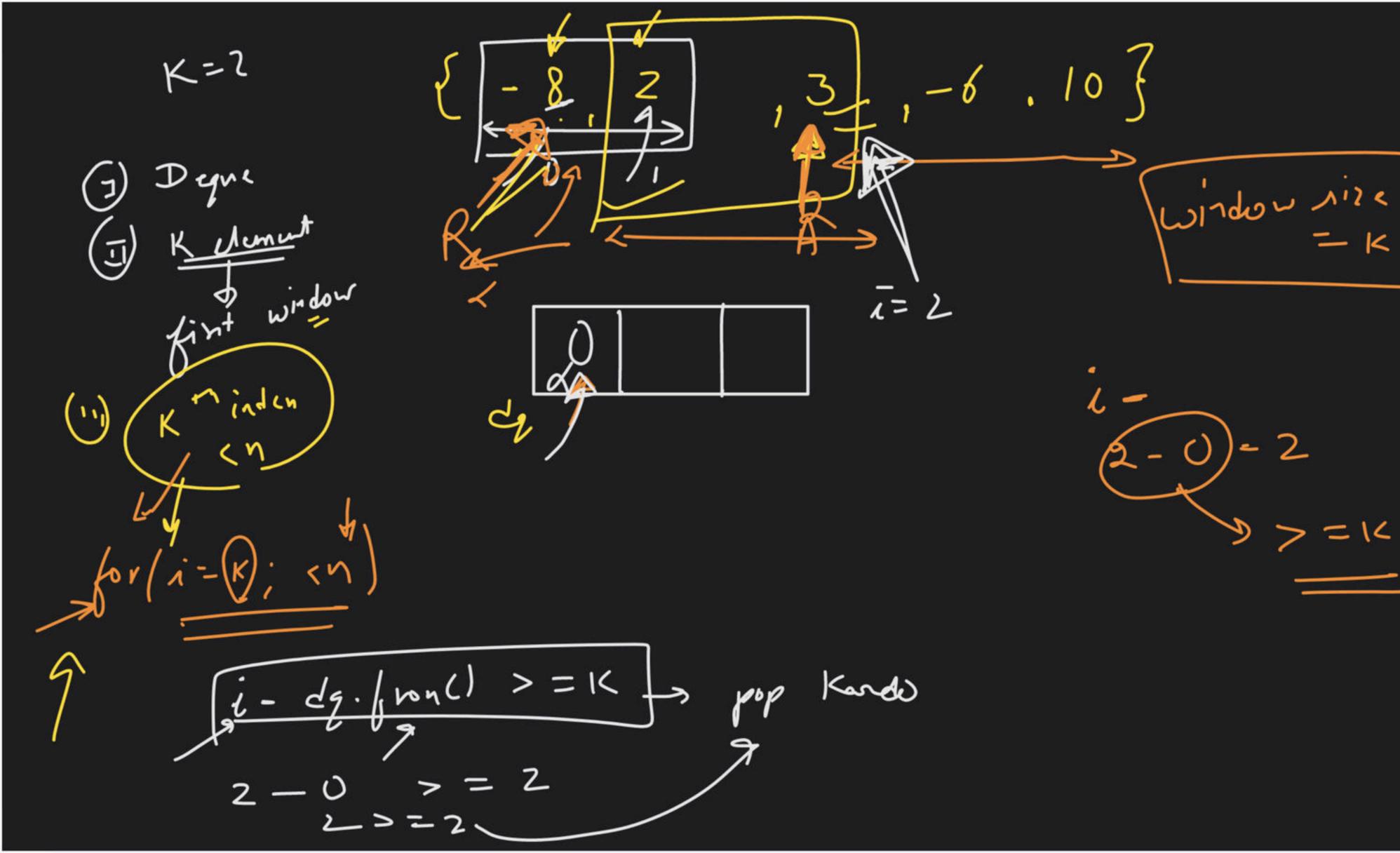


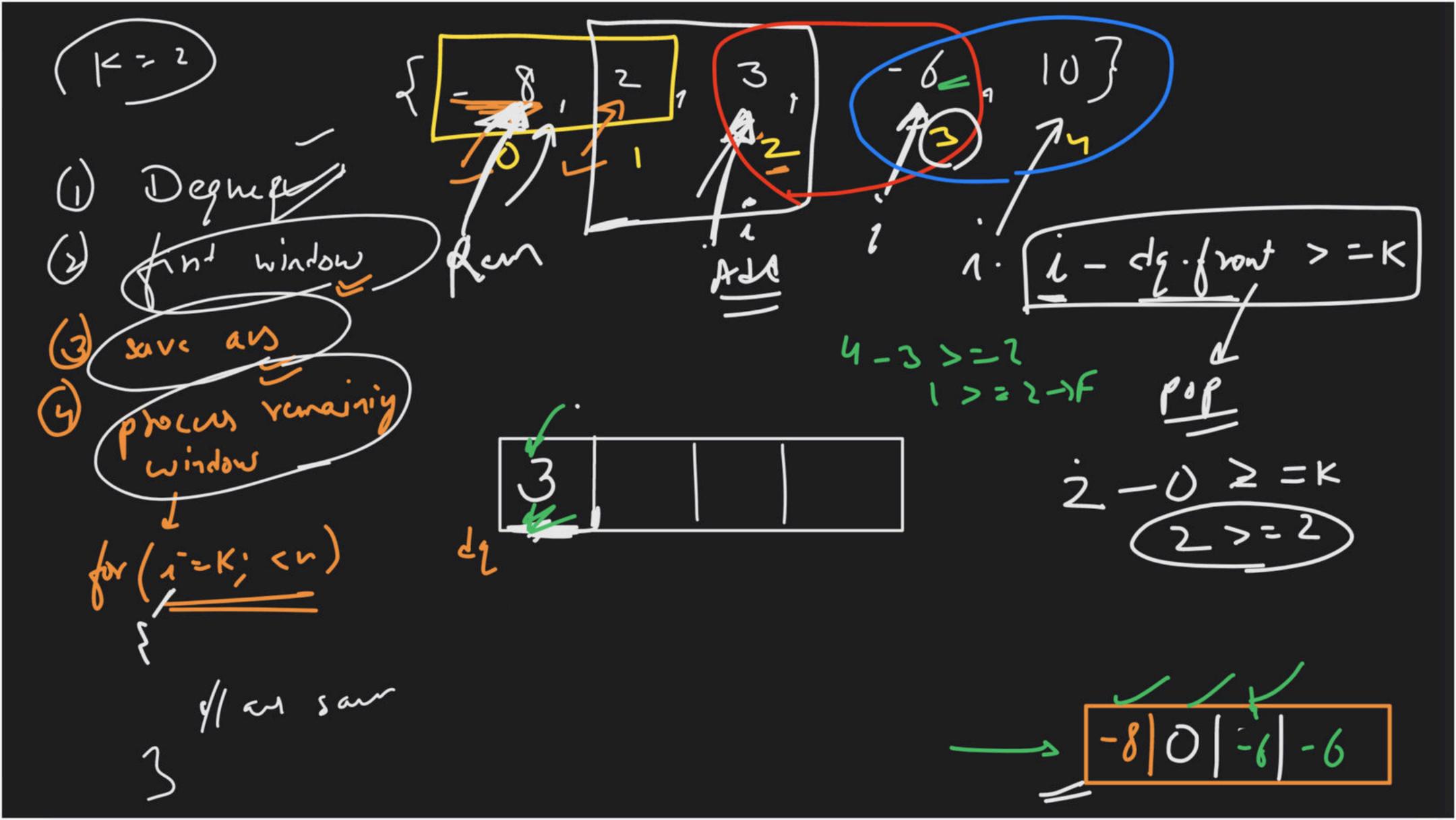
Recursion - ?

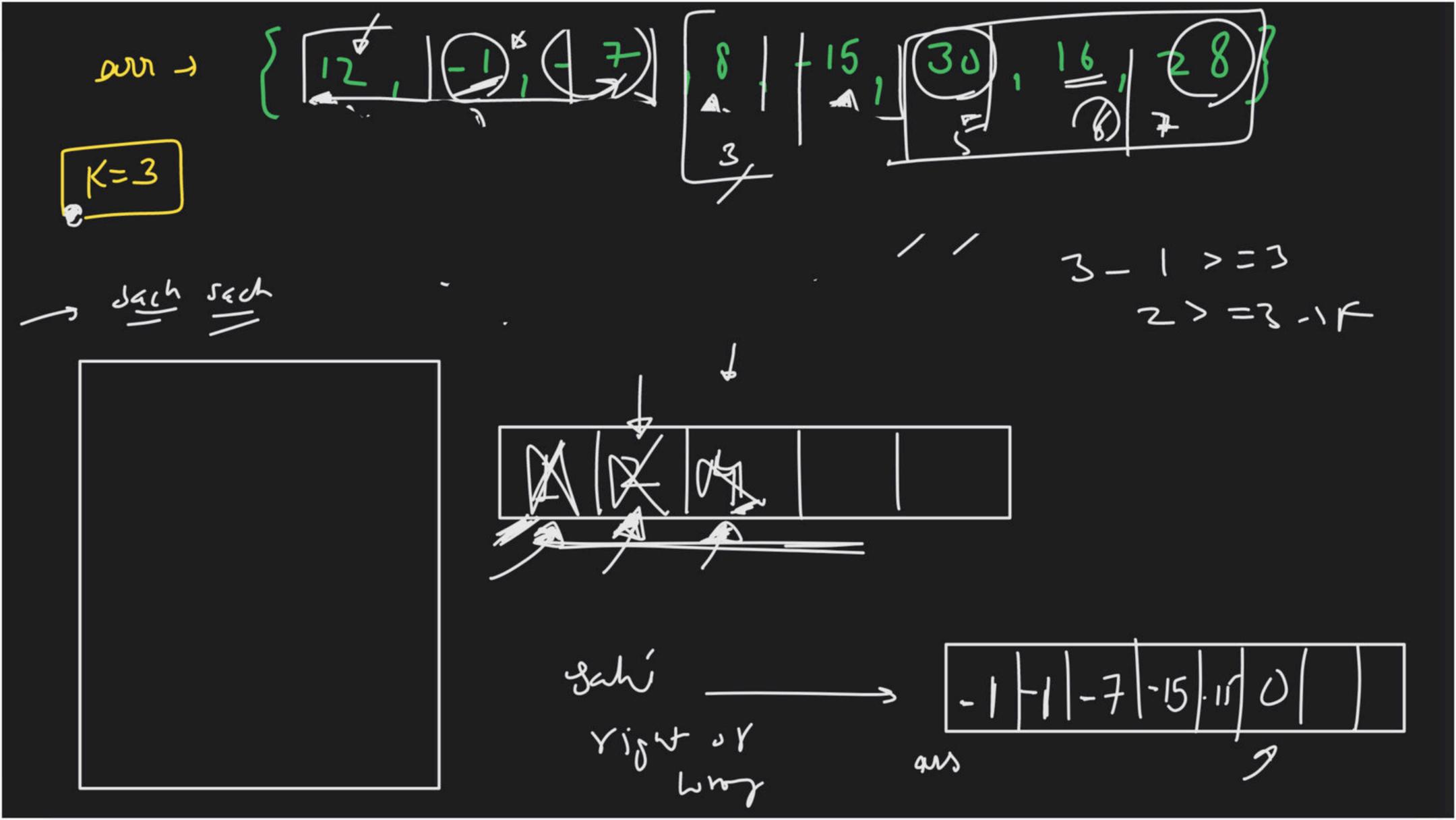
<u>H</u>w implement Stack using Quan Inplement Quane using stack inplement Quare voig in an Array K shus inblement inplument K Jums

The state of the s ofp - \ \ -8, \ \ \ \, -6, \ -6 \ \ for (int i=0; $i \le n$; i+t)

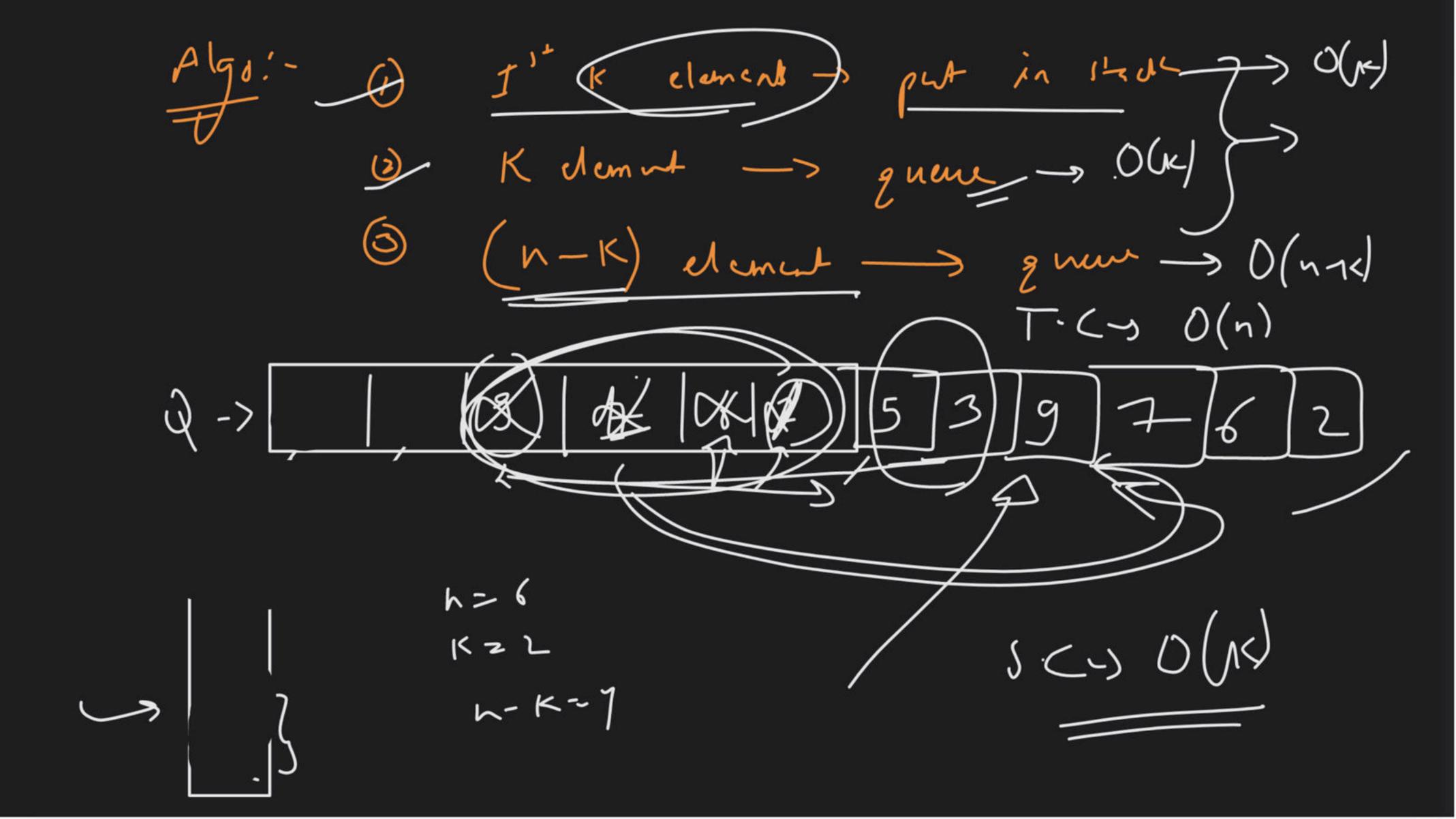
for ($\le times$) () (n * K) approach: T...







Optimal Solution - explore - Reverse first K element of quene $\frac{1}{(1-3)} = \begin{cases} 1 & 2 & 3 & 4 & 5 & 6 & 7 \end{cases}$ $\frac{1}{(1-3)} = \begin{cases} 1 & 2 & 3 & 4 & 5 & 6 & 7 \end{cases}$ $\frac{1}{(1-3)} = \begin{cases} 1 & 2 & 3 & 4 & 5 & 6 & 7 \end{cases}$



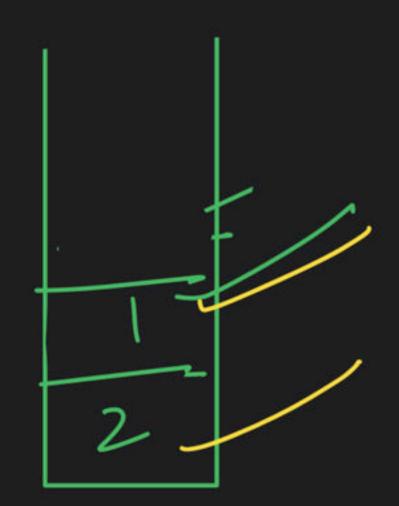
Offin intraction Zisius

inhelem

T-C-> O(n) K (ord1 -> (5+ack) 5-5-3-6(h)K 16789101 (I) por first half in 1 teak (1) stack -> Ynem while (1 s. upy) (11) fin helf -> quenemen (1v) put firt half in show 2. puh (shpl) 9. holy / (V) morge stack & grune 9. pwh (2. front () 2- 91 9 ()

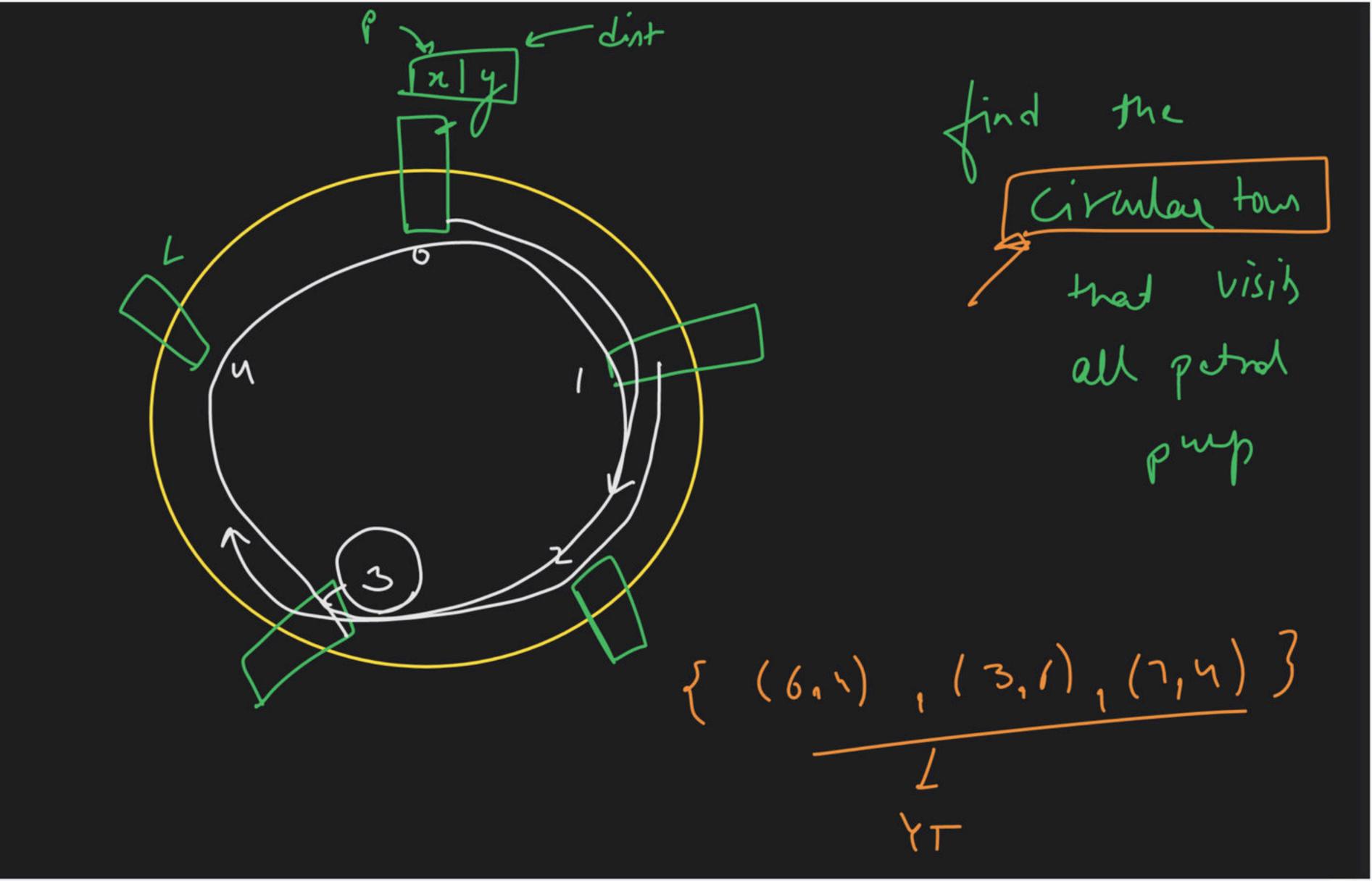
3 4

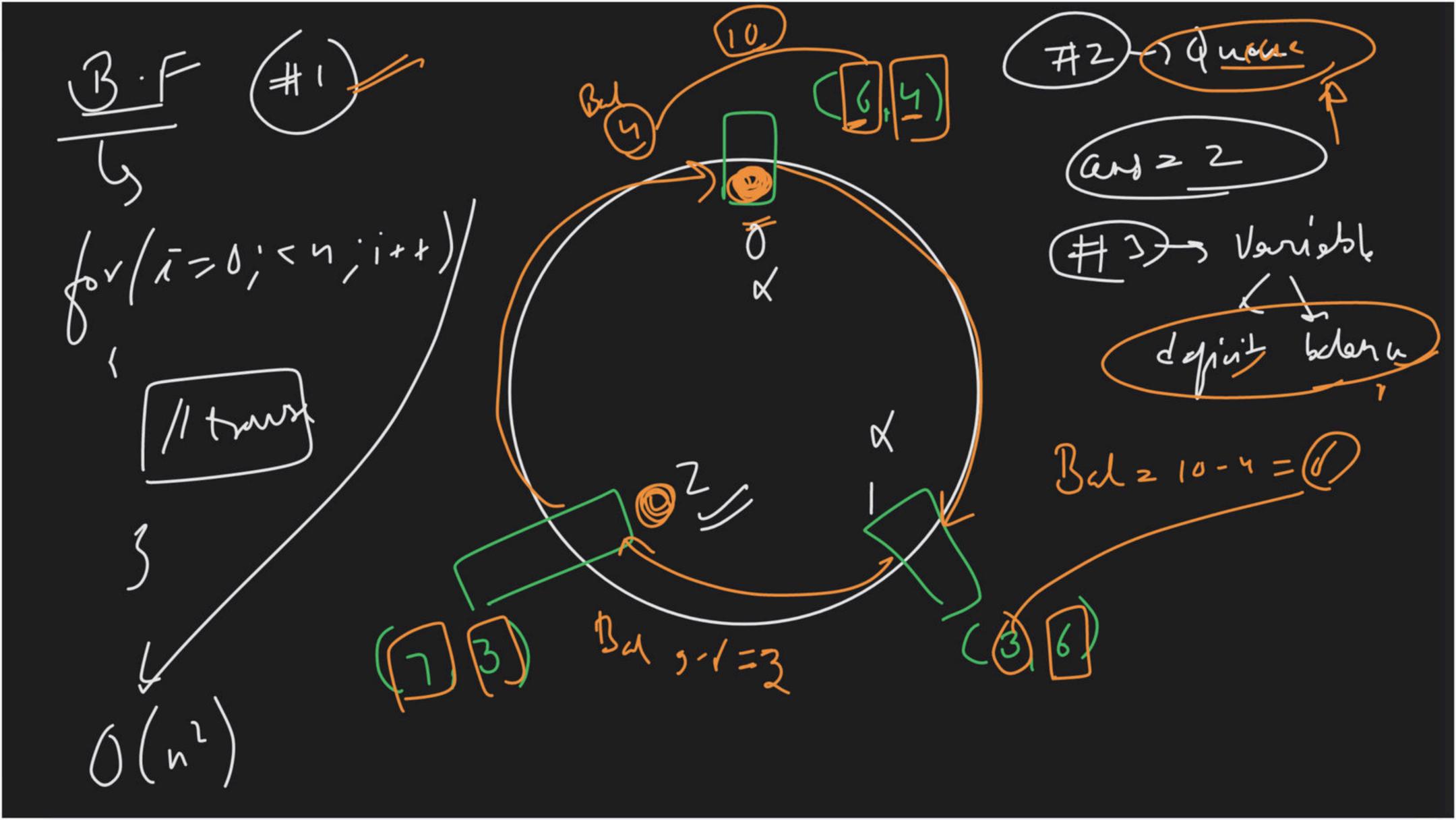
1 3 2 4





Circular Tono / Gas Station/ Petrol





element of all Subarrays Sum of max Limin HIMKP) of size "K". avr () = { 2, 5, -1, -3, -1, -2 } K = 4

O degne -s men

d degne -s min 1) -> (2,5,-1,7) -> (min =-1) -> 6 J - (5,-1, 7,-3) - max = 2) (min = -3) - 1/ II' -> (-1,7,-3,-1)-1/m2->7) (min=-3)

$$\begin{bmatrix} 7 & -3 & -1 & -2 \end{pmatrix} \longrightarrow \underbrace{min-3}$$



















