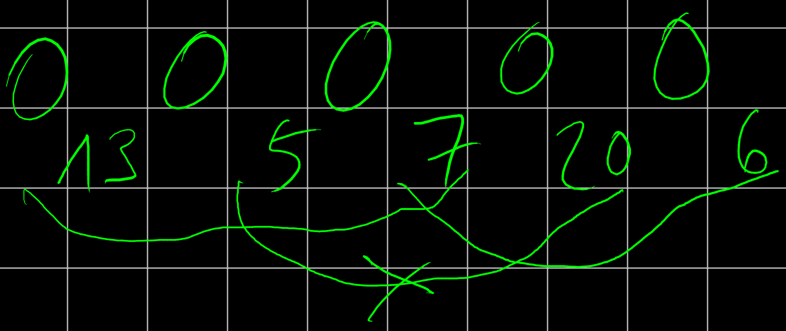
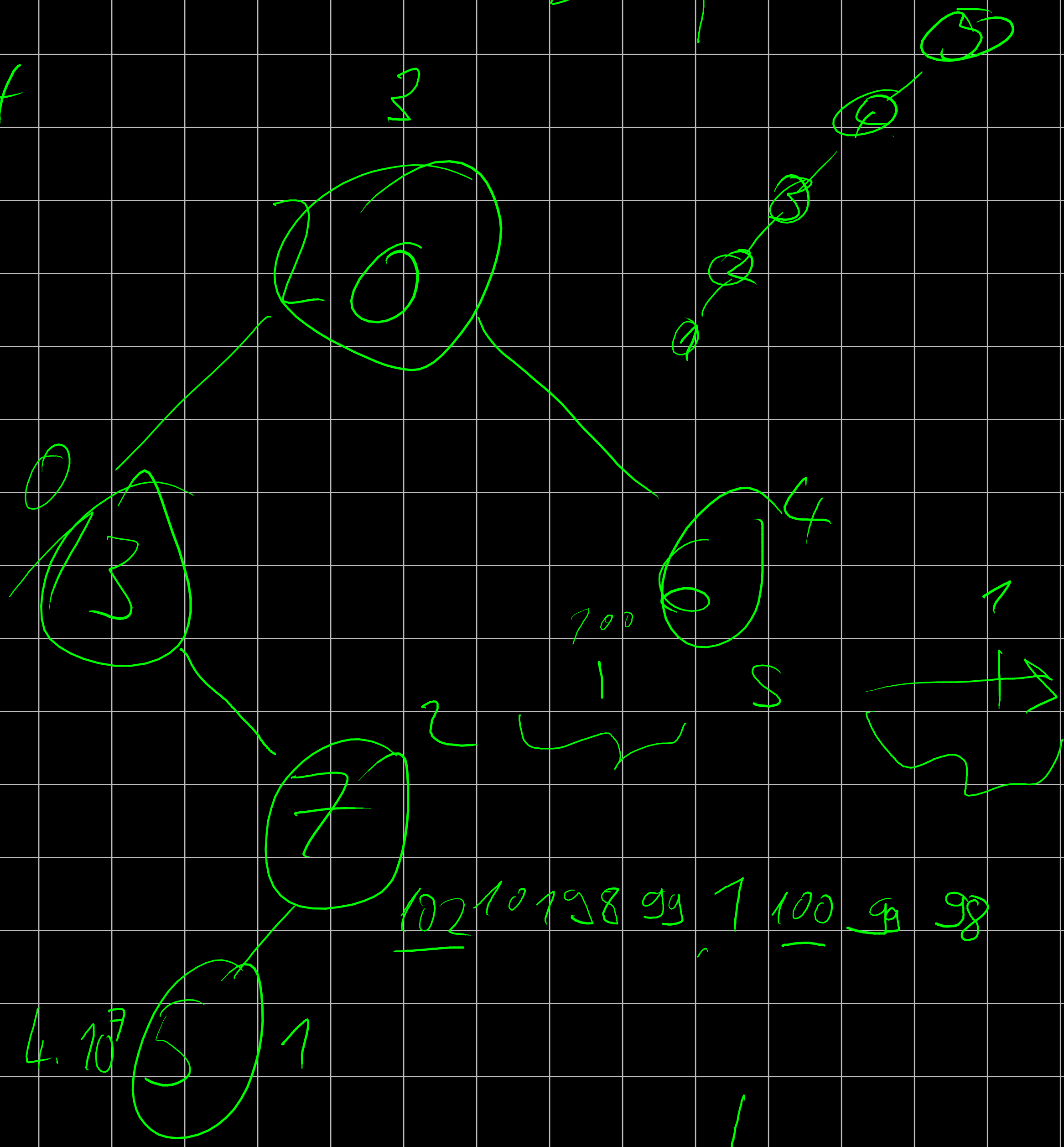


$S = 3$

$K = 4$

1 2 3 4 5



$Log(N)^2 \cdot Q$

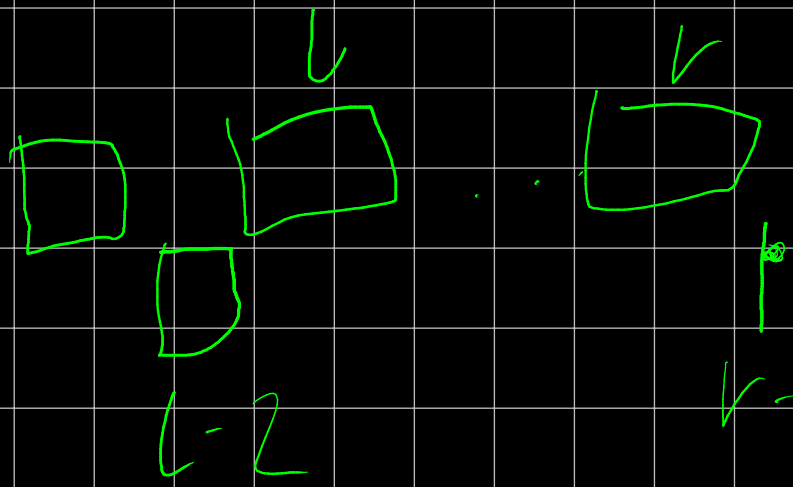
$18^2 \cdot Q$

$400 \cdot 10^5 = 4 \cdot 10^7$

102 101 98 99 1 100 99 98

Find i such $\max(D_i, \ldots D_{i+K})$

$|i - S| \leq K$ $\leq D_{i-1}, D_{i+K+1}$



$h_r = 3$

$rest = 5, 6$

Query: Range $[l, r]$

biggest idx

$A_l, \ldots, A_{idx} < m$