o Stiding Window Maximum

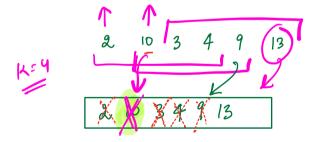
k=3

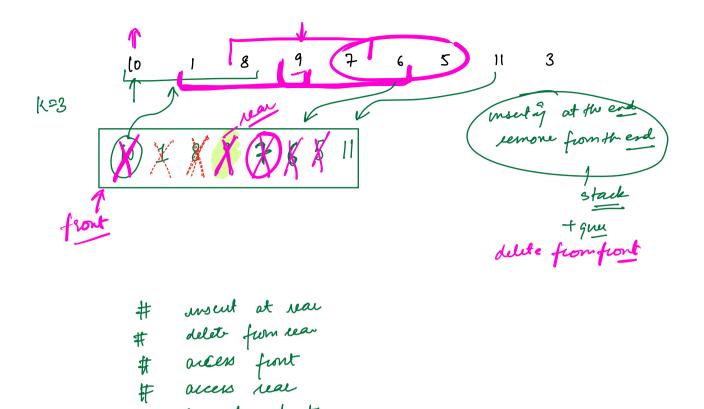
ynen an integer away. Find max clement + subarerays

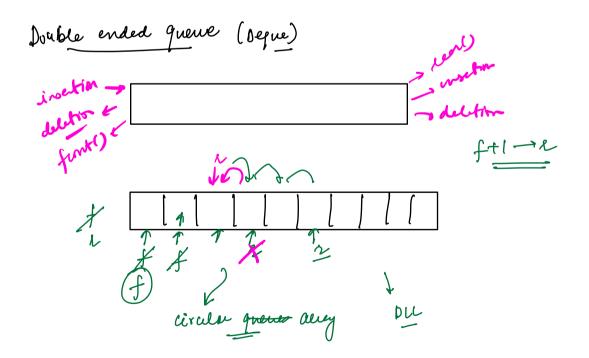
0 1 8 9 7 6 5 11 3

B.F.: j) check for all windows n-k+1 $\approx O(n)$ gettig the max by afterating O(n+k)

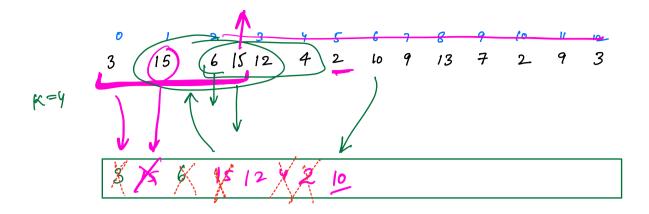
2) treemap/ardered.map & O(Nlyk)







delete from front



while (dg. siv () >0 de dg. sear () < au (;)) dg.pop-reae();

dq. push-rear (aulis);

j

anso insert (dg. front ());

fr(1=k; 1<0; 1++) Il i'm element mill come
Il i'm element vale go out

while (dg. sin () >0 de dg. sear () < au (i))

dg.pop-real();

dg. push-real (aulis); if (dq. front() == auli-kJ)

dq. pop-front();

ano. incert (dq. front());

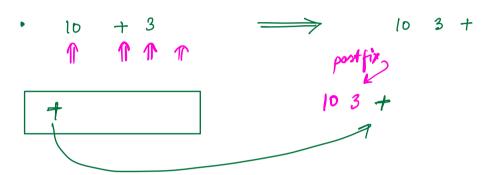
j

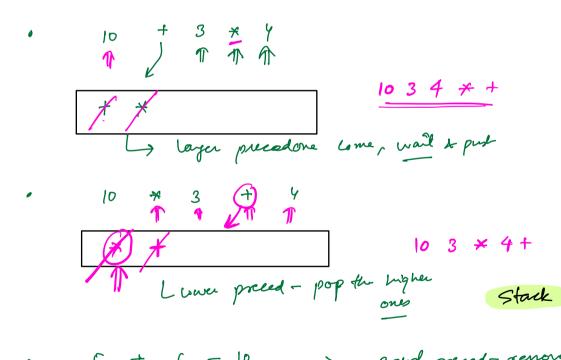
T.C:010)

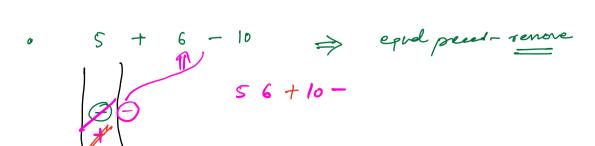
postfix

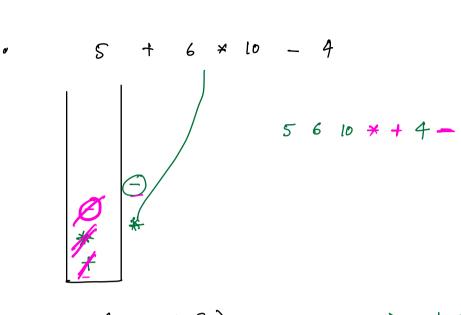
0

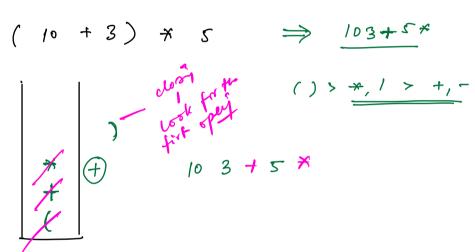
order of execution of operators











$$3 + 10 + (3 - 4/2) + 3$$

