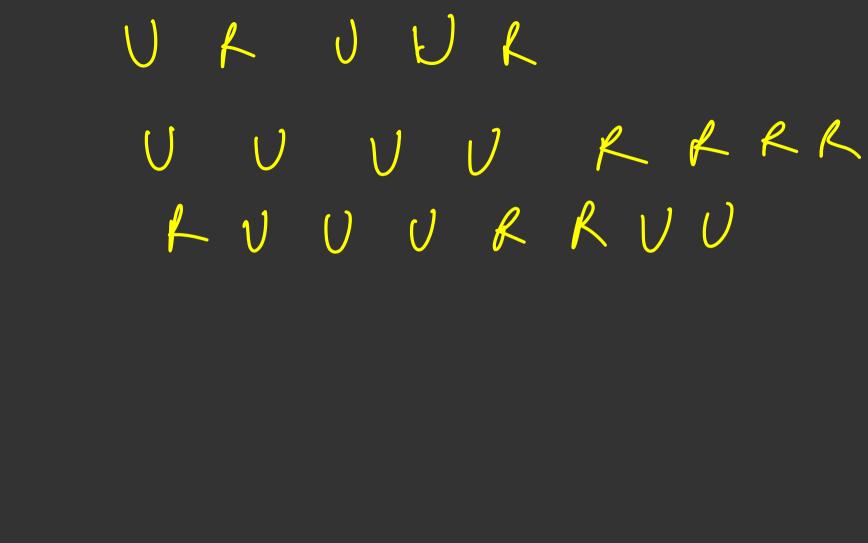
o (logn) a [pos] = value 0 (logn) Sum (1, 4)

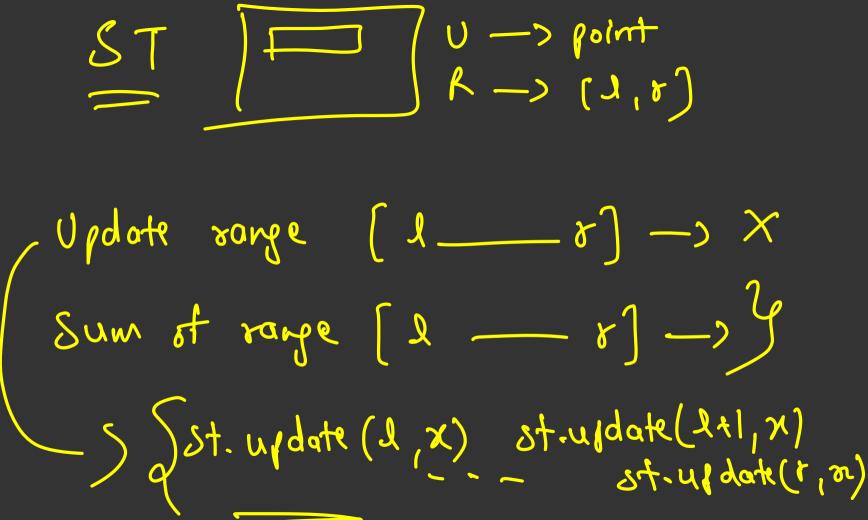
$$a[pm] = volue$$

$$U(x) = a[x+1] = a[x+2]$$

$$--- = a[x] = value$$

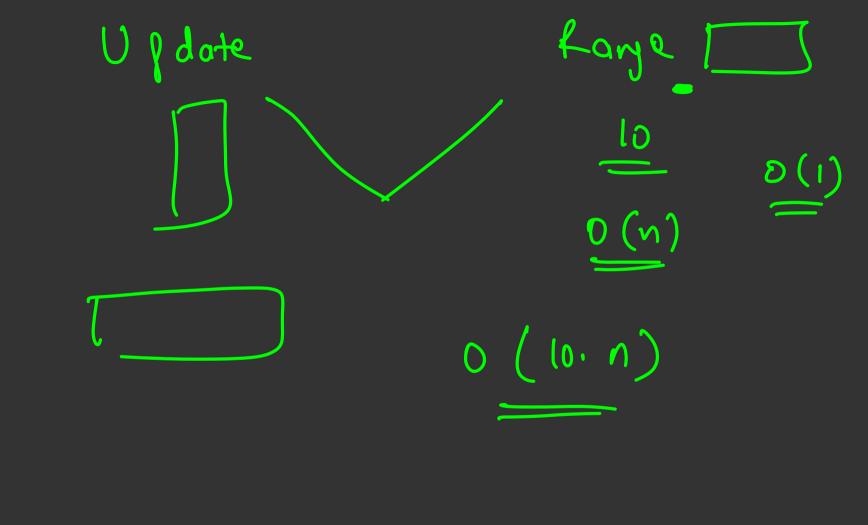
$$Sum[J = x]$$





0 (logn) 0 ((8-1+1).logn) lo such updates occup

 $\left(0\right)$ $\left(1-1\right)$ \times 10



(b) (o) (c) Normal segment Update Large

Jollogn

Large Imperty

