array : a

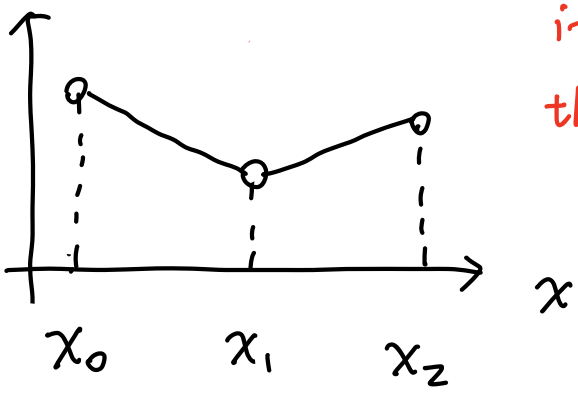
prefix sum pre[i] = a[0] + a[1] + ··· + a[i-1]

find index1 , index2

pre[index2] - pre[index1] >= K

and (index2 - index1) min

① y = pre(x)



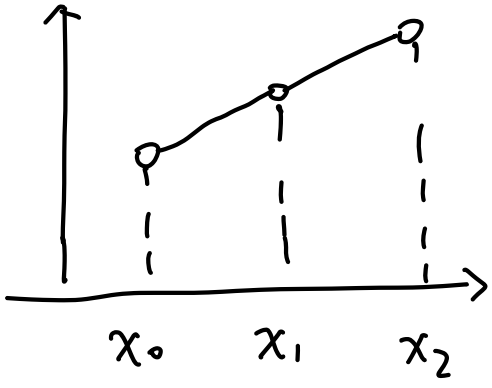
if pre(x2) - pre(x0) >= k

then pre(x2) - pre(x1) >= k

$x_2 - x_1 < x_2 - x_0$

monotonically increasing

② y = pre(x)



if pre(x1) - pre(x0) >= k

for sure pre(x2) - pre(x0) >= k

but it would not be the answer

we need to judge whether

pre(x2) - pre(x1) >= k

remove x_0