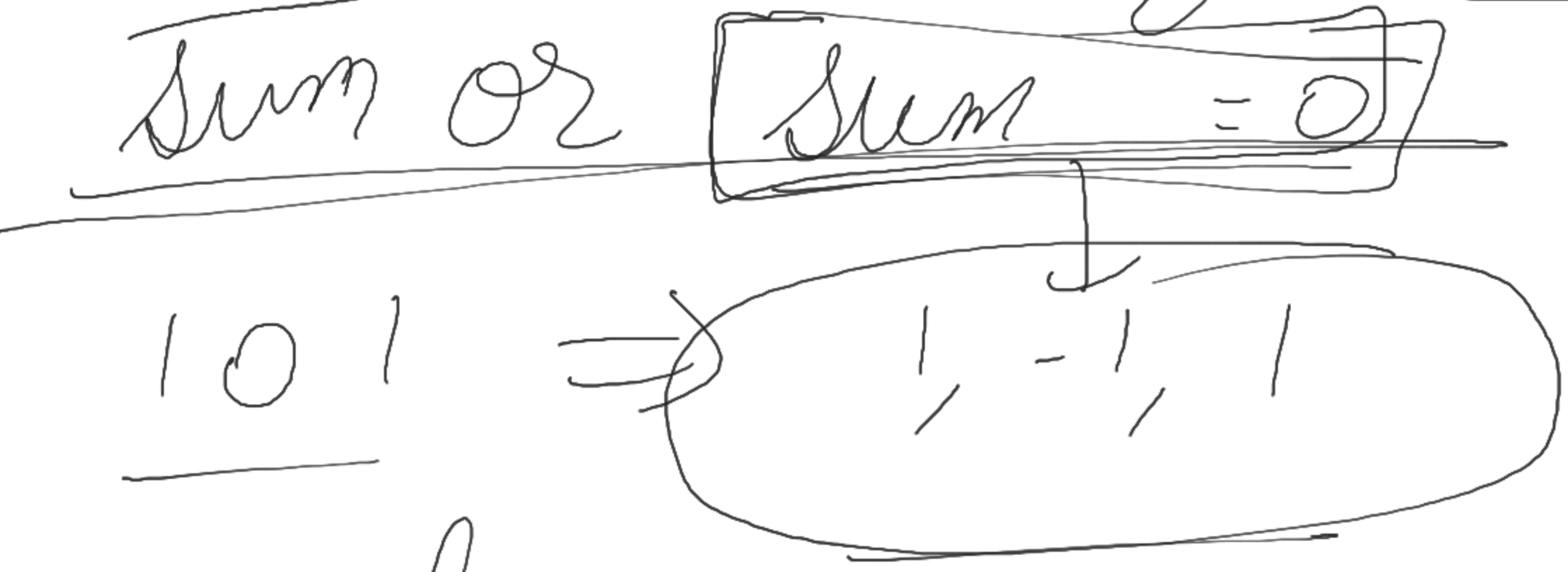
1 0 1

Convert ⇒ 0's

to -1

& let 1's remain as it is

Find the subarrays having 0 Sum or Sum = 0



original

modify

Subarray Sum = K

① Keep on taking the prefix sum & every time find the

cnt += Hm.get(Prefix Sum - k)

① if(P.S => 0) valid (One more)

②

Need for trick

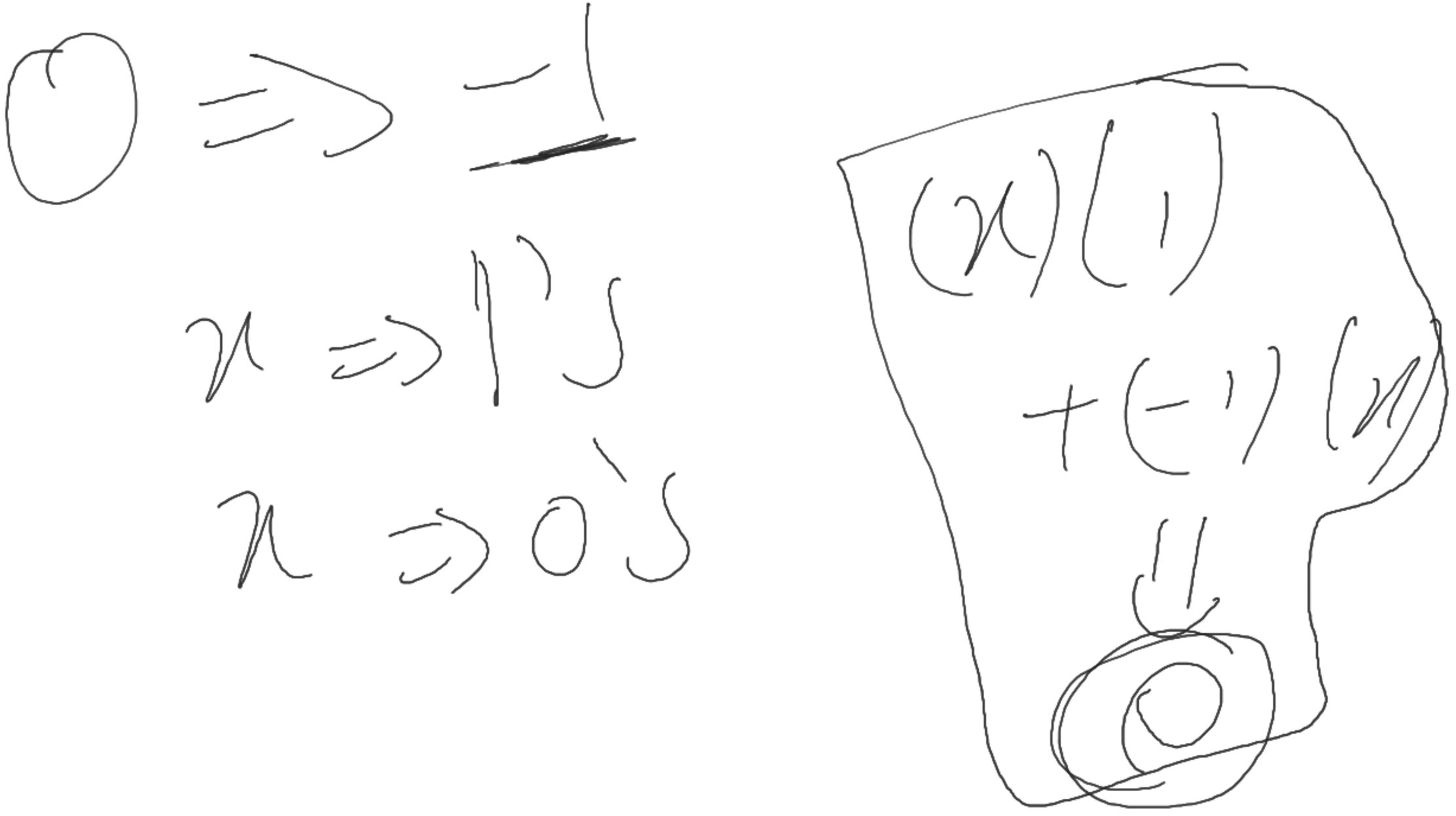
$n(1+0)$

$n \rightarrow 1's$

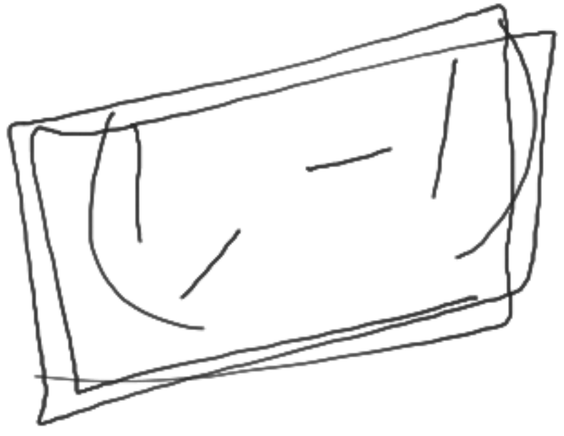
$0 \rightarrow 0's$

$n \rightarrow 1's$

$0 \rightarrow 0's$ $\Rightarrow n$



Sum is 0 only when we have equal 1's & equal 0's



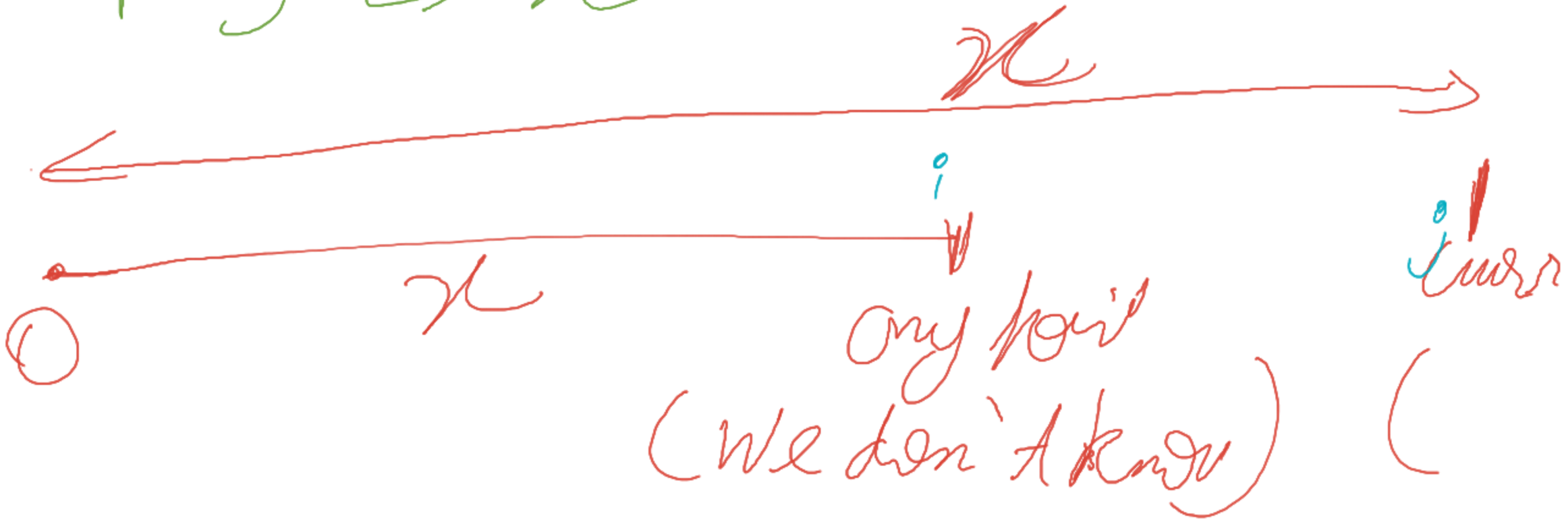
either 1's or -1's

when we have equal 1's &
0's then the sum is 0

Put it in H P

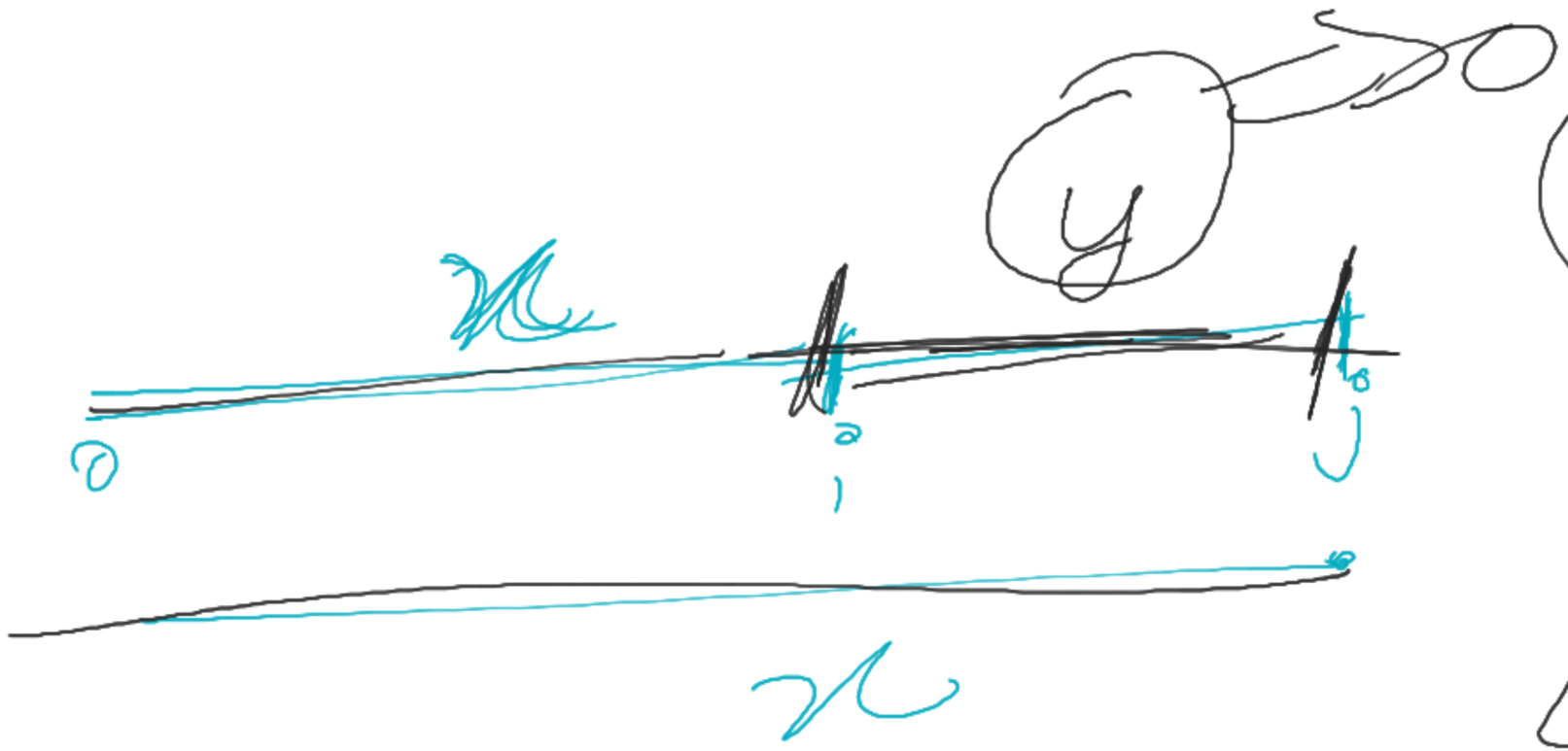
again if I find K

M.M is storing the prefix sums if it has an entry of P.S $\Rightarrow$ x



$0 \to i$ Sum is κ

$0 \to j$ Sum is κ



$(\kappa + y) \Rightarrow \kappa$

$\kappa + y = \kappa$

$y = \kappa - \kappa$

$y = 0$

cnt