1n:
$$N-arrs12e$$
: 10^5
 $X-t$ in crement
 $K-t$ total Enumber

general aftempt #! turnent = y; What is \(\geq \).

$$0 < y < f_1 = \sum z = 0$$

$$t_N < y < f_1 = \sum z = 0$$

$$t_1 : \sum z = 0$$

 $\overline{\Sigma}_{i} = \underline{y - t_{i}} + H(y - t_{i})$ Step fending

11/0) = 1

1 assumption: ne sort

2. $\max_{\text{Single timer}} \frac{1}{10^{9}} = 10^{9}$ $X = 10^{9}$; $K = 10^{9}$ $X = 10^{3}$; $K = 10^{9}$

3 \(\sum_{\text{max}} \) Is long (8 bytes)

me mory limit in longs 15:33M

If t; > t; and (t; -t;) % K == 9

we can ignore it

t; mod K = t; mod K

we can maintain remain der

aray and keep the lowest

times

$$\Xi(t): 1, \quad m = \max i : t_i \leq t, \quad \text{in that case}$$

$$\Xi(t) = \sum_{i=1}^{m} \Xi_i(t) = \sum_{i=1}^{m} \frac{t-t_i}{x} + 1$$

$$\sum (t) = m + \sum_{j=1}^{m} \frac{t-t_{i}}{x}$$

Se arch in terval: N: ther caunt

I : Incement

K: farget.

at t_{N} -map: all times start working t_{N} t_{N} + χ t_{N} + χ ... N 2N 3N ... $kN \ge K$; $k \ge \frac{K}{N}$; $k_{map} = coil(K_{N})$ $t_{Kmax} = t_{N} + (k_{max} - 1)\chi = t_{N} + \frac{K}{N}\chi$ $t_{Kmax} = t_{N} + (k_{max} - 1)\chi = t_{N} + \frac{K}{N}\chi$ $t_{Kmax} = t_{N} + (k_{max} - 1)\chi = t_{N} + \frac{K}{N}\chi$ $t_{Kmax} = t_{N} + (k_{max} - 1)\chi = t_{N} + \frac{K}{N}\chi$