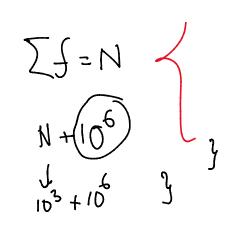
[1,26] [1,1000] Counting Sort $N=10^7$ Intro Sort $O(NlogN) \rightarrow 10^7 \times 24 = 2.4 \times 10^8 \approx 2.4 \text{ s}$ Counting Sort > O(N) -> 107 × 0.15 abede---devskill counting Sont (ann)

{ n=|ann); size rabe [0001,0] vector<int> freq(1001,0); freq[v]++ for (int value=0; value & 1000; value+) 2n ent = freq[1]=1 int ent = freq [value]; while (cnt --)



1 3 15 89 101

_ o —

$$y = \chi^2 - 5\chi + 6$$

$$x = 0$$

$$x = 0$$

$$y = 0$$