

1. Let $f[i]$ denote the number of input numbers that are divisible by i . We only need to compute $f[i]$ for each divisor i of k , which takes $\sum_{i|i|k} \frac{U}{i} = \sigma(k)$ time. We can compute gcd in $O(1)$ time after $O(U)$ preprocessing. $O(U \log \log U)$.
2. Put input number x into bucket $\text{gcd}(x, k)$, then enumerate all pairs of buckets in $d^2(k) = o(U)$ time. $O(U)$.

Count Array Pairs Divisible by K

Submission Detail

115 / 115 test cases passed.

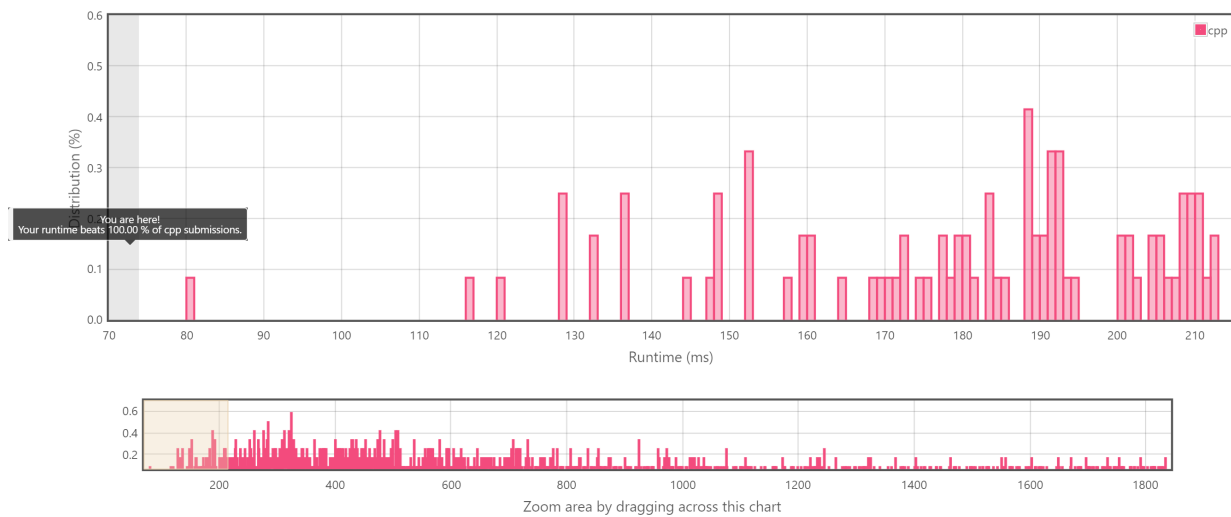
Runtime: 72 ms

Memory Usage: 65.5 MB

Status: **Accepted**

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



References