$f(x) = \lfloor \frac{x}{i} \rfloor$ is a staircase function with $O(\frac{U}{i})$ steps. We can compute the result for each step in $O(1)$ time, using prefix sum. The total running time is $\sum_{i=1}^{n} O(\frac{U}{i}) = O(U \log n)$.

Sum of Floored Pairs

## Submission Detail

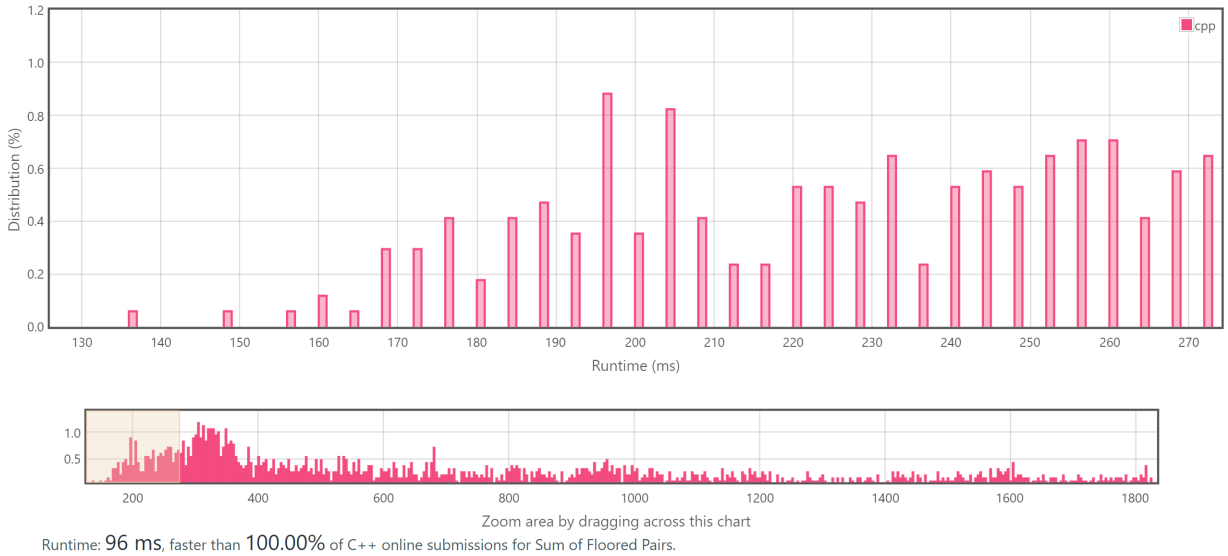
**51 / 51** test cases passed.

Status: **Accepted**

Runtime: **96 ms**
Memory Usage: **97 MB**

Submitted: **10 minutes ago**

**Accepted Solutions Runtime Distribution**




Runtime: 96 ms, faster than 100.00% of C++ online submissions for Sum of Floored Pairs.

Memory Usage: 97 MB, less than 62.61% of C++ online submissions for Sum of Floored Pairs.

# References