Reduce to predecessor search. For addRange, merge intervals by enumerating them, an amortized analysis shows that there are only $O(n)$ pred searches. $O(n \cdot \mathrm{pred}(n))$.
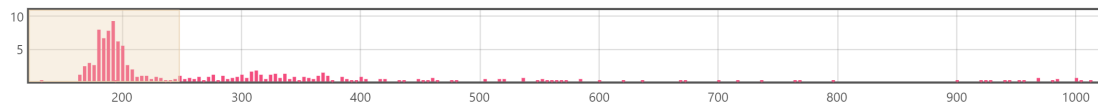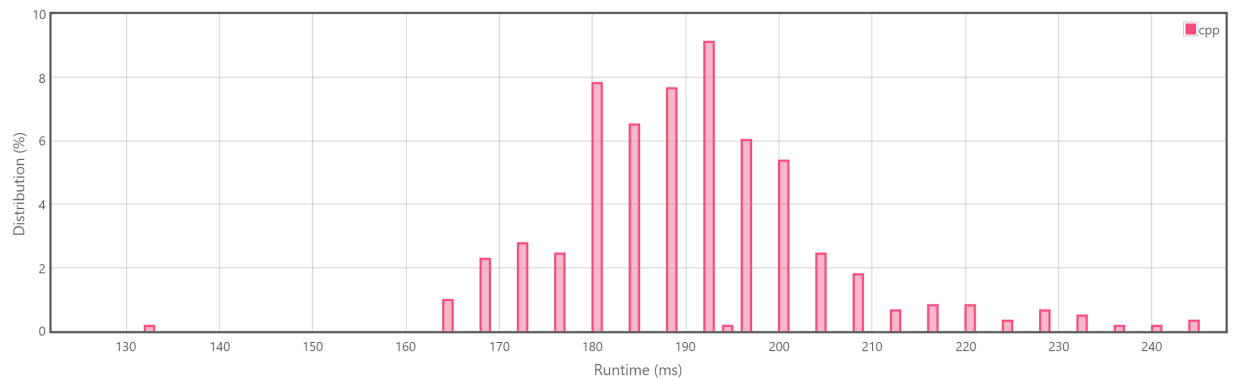
Submission Detail

53 / 53 test cases passed.

Runtime: **112 ms**
Memory Usage: **68.6 MB**

Status: **Accepted**

Submitted: **1 minute ago**

Accepted Solutions Runtime Distribution

Runtime: 112 ms, faster than 100.00% of C++ online submissions for Range Module.

Memory Usage: 68.6 MB, less than 98.70% of C++ online submissions for Range Module.

References