

For each string s_i , greedily choose whether to reverse it or not, then connect all strings in the given order to form a string \hat{s} . The optimal solution must start from a string s_j 's suffix/reversed prefix, append a corresponding circular shift of \hat{s} after deleting s_j from it, then append the remaining part of s_j . After constructing a suffix tree of $\hat{s}\#s_1\#\overline{s_1}\#s_2\#\overline{s_2}\#\dots$, we can compute the LCP of two different solutions in $O(1)$ time, therefore we can find the lexicographically biggest string using $O(L)$ string comparisons. $O(L)$.

50 / 50 test cases passed.

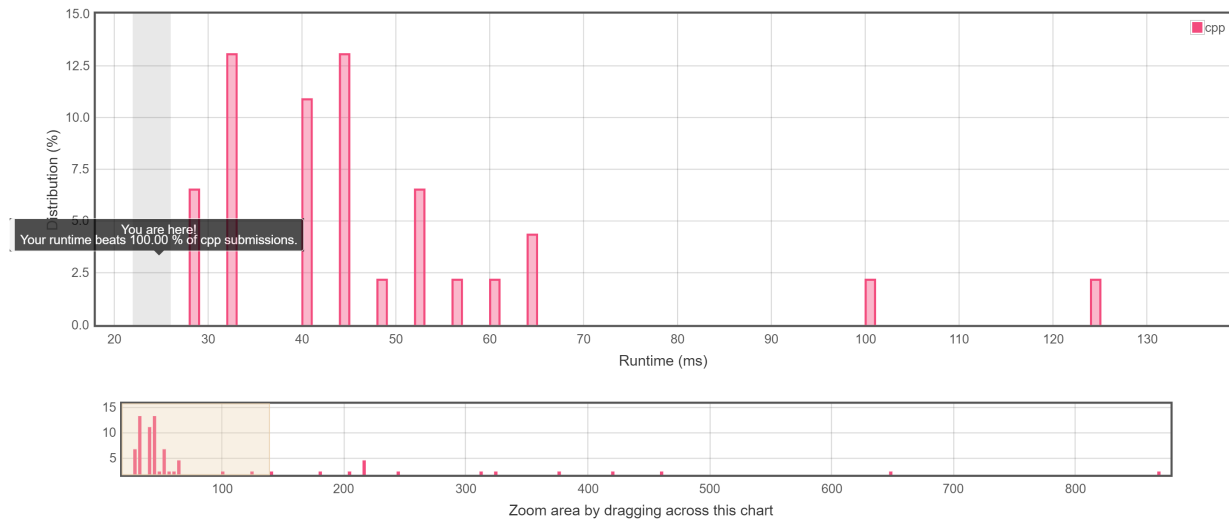
Runtime: 24 ms

Memory Usage: 8.8 MB

Status: Accepted

Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution



References