

The problem is finding the palindromic length of a string. $O(n \log n)$ [1]. conjectured to be $O(n)$ [2], and then $O(n)$ [3].

References

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- [2] Mikhail Rubinchik and Arseny M Shur. Eertree: an efficient data structure for processing palindromes in strings. *European Journal of Combinatorics*, 68:249–265, 2018.
- [3] Mikhail Rubinchik and Arseny M Shur. Palindromic k-factorization in pure linear time. *arXiv preprint arXiv:2002.03965*, 2020.