

187. Repeated DNA Sequences

Solved ●

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The **DNA sequence** is composed of a series of nucleotides abbreviated as 'A', 'C', 'G', and 'T'.

- For example, "ACGAATTCCG" is a **DNA sequence**.

When studying **DNA**, it is useful to identify repeated sequences within the DNA.

Given a string `s` that represents a **DNA sequence**, return all the **10-letter-long** sequences (substrings) that occur more than once in a DNA molecule. You may return the answer in **any order**.

Example 1:

Input: `s = "AAAAACCCCCAAAAACCCCCCAAAAAGGGTTT"`

Output: `["AAAAACCCCC", "CCCCCAAAAA"]`

Example 2:

Input: `s = "AAAAAAAAAAAAA"`

Output: `["AAAAAAAAAA"]`

Constraints:

- $1 \leq s.length \leq 10^5$
- `s[i]` is either 'A', 'C', 'G', or 'T'.

Seen this question in a real interview before? 1/5

Yes No

Accepted **434K** Submissions **855.8K** Acceptance Rate **50.7%**

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Discussion (57)

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