Description   Editorial   Solutions   Submissions   Debugger ✕

187. Repeated DNA Sequences

Medium   Topics   Companies

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 DN

Example 1:

```
Input: s = "AAAAACCCCCAAAAACCCCCAAAAAGGGTTT"
Output: ["AAAAACCCCC","CCCCCAAAAA"]
```

Example 2:

```
Input: s = "AAAAAAAAAAAAA"
Output: ["AAAAAAAAAA"]
```

Constraints:

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

Seen this question in a real interview before?   1/4

Yes   No

Accepted **363.1K**   Submissions **749.4K**   Acceptance Rate **48.5%**

🏷 Topics

📊 Companies

💬 Discussion (31)