Rabin-Karp algorithm in Java → A substring of the maximal length

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Code Challenge — Write a program

Given a string s. Write a program that finds a substring of the maximal length that appears in s at least twice.

Hint: try to come up with an algorithm that checks if there is a substring of length k that appears in s at least twice. Then, use a binary search to find a maximal k.

Sample Input 1:

```
ACTTGATTGA
```

Sample Output 1:

```
4
```

Sample Input 2:

```
ABCD
```

Sample Output 2:

```
0
```

Code Editor IDE

Java

```
1   public class Main {
2       // your code here
3   }
```

Run Start again (reset) Code snippets from theory Skip problem

Time limit: 8 seconds Memory limit: 256 MB

Code snippets from theory

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Share something, Sergey Kubatko

Sort by: Last posted

SK **Sergey Kubatko** 1 day ago

no way to pass test #21, any clue is appreciated

0 Reply

MB **Maciej Bystrzyński** about 1 month ago Report

Reference solution here would be nice...

0 Reply

SS **Sergii Shapoval** 6 months ago Report

test 21 with 500168 random chars looks unreal, will try to use bigger polynomial hash base to minimize collisions

0 Reply

U **usr** 9 months ago Report

Hint for people like me who stuck in test 9. Let's assume first substring indexes - i and j, i < j. Second substring indexes - k and l, k < l.

In task it's possible that k <= j. So for "bbbbb" output will be 4, not 2.

♡ 0 Reply

Code snippets from theory