

LEETCODE

Repeated Substring Pattern

459. Repeated Substring Pattern Solved ✓

Easy Topics Companies

Given a string `s`, check if it can be constructed by taking a substring of it and appending multiple copies of the substring together.

Example 1:
Input: `s = "abab"`
Output: `true`
Explanation: It is the substring "ab" twice.

Example 2:
Input: `s = "aba"`
Output: `false`

Example 3:
Input: `s = "abcabcabcabc"`
Output: `true`
Explanation: It is the substring "abc" four times or the substring "abcabc" twice.

Constraints:

```
1 bool repeatedSubstringPattern(char* s) {
2     int n = strlen(s);
3     for(int i = 1; i <= (n/2); i++)
4     {
5         if(n%i == 0)
6         {
```

Testcase | Test Result

Accepted Runtime: 1 ms

Case 1 Case 2 Case 3

Input

`s =`
`"abab"`

Output

`true`

Expected

`true`

Contribute a testcase

459. Repeated Substring Pattern Solved ✓

Easy Topics Companies

Given a string `s`, check if it can be constructed by taking a substring of it and appending multiple copies of the substring together.

Example 1:
Input: `s = "abab"`
Output: `true`
Explanation: It is the substring "ab" twice.

Example 2:
Input: `s = "aba"`
Output: `false`

Example 3:
Input: `s = "abcabcabcabc"`
Output: `true`
Explanation: It is the substring "abc" four times or the substring "abcabc" twice.

Constraints:

```
1 bool repeatedSubstringPattern(char* s) {
2     int n = strlen(s);
3     for(int i = 1; i <= (n/2); i++)
4     {
5         if(n%i == 0)
6         {
```

Testcase | Test Result

Accepted Runtime: 1 ms

Case 1 Case 2 Case 3

Input

`s =`
`"aba"`

Output

`false`

Expected

`false`

Contribute a testcase

Waiting for o68711.ingest.sentry.io...

Problem List

DescriptionEditorialSolutionsSubmissions

459. Repeated Substring Pattern

EasyTopicsCompanies

Given a string `s`, check if it can be constructed by taking a substring of it and appending multiple copies of the substring together.

Example 1:

Input: `s = "abab"`

Output: `true`

Explanation: It is the substring "ab" twice.

Example 2:

Input: `s = "aba"`

Output: `false`

Example 3:

Input: `s = "abcabcabcabc"`

Output: `true`

Explanation: It is the substring "abc" four times or the substring "abcabc" twice.

Constraints:

6.3K92

Code

C Auto

```
1 bool repeatedSubstringPattern(char* s) {
2     int n = strlen(s);
3     for(int i = 1; i <= (n/2); i++)
4     {
5         if(n%i == 0)
6         {
```

SavedLn 3, Col 16

TestcaseTest Result

AcceptedRuntime: 1 ms

Case 1Case 2Case 3

Input

s =
"abcabcabcabc"

Output

true

Expected

true

Contribute a testcase

Problem List

DescriptionEditorialSolutionsSubmissions

459. Repeated Substring Pattern

EasyTopicsCompanies

Given a string `s`, check if it can be constructed by taking a substring of it and appending multiple copies of the substring together.

Example 1:

Input: `s = "abab"`

Output: `true`

Explanation: It is the substring "ab" twice.

Example 2:

Input: `s = "aba"`

Output: `false`

Example 3:

Input: `s = "abcabcabcabc"`

Output: `true`

Explanation: It is the substring "abc" four times or the substring "abcabc" twice.

Constraints:

6.3K92

Code

C Auto

```
1 bool repeatedSubstringPattern(char* s) {
2     int n = strlen(s);
3     for(int i = 1; i <= (n/2); i++)
4     {
5         if(n%i == 0)
6         {
```

SavedLn 3, Col 16

TestcaseTest Result

AcceptedRuntime: 1 ms

Case 1Case 2Case 3

Input

s =
"abcabcabcabc"

Output

true

Expected

true

Contribute a testcase