

5557. Maximum Repeating Substring

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For a string `sequence`, a string `word` is ***k-repeating*** if `word` concatenated `k` times is a substring of `sequence`. The word's **maximum *k-repeating value*** is the highest value `k` where `word` is `k-repeating` in `sequence`. If `word` is not a substring of `sequence`, `word`'s maximum `k-repeating value` is `0`.

Given strings `sequence` and `word`, return the **maximum *k-repeating value*** of `word` in `sequence`.

User Accepted:	70
User Tried:	150
Total Accepted:	70
Total Submissions:	156
Difficulty:	Easy

Example 1:

Input: `sequence = "ababc", word = "ab"`
Output: `2`
Explanation: "abab" is a substring in "ababc".

Example 2:

Input: `sequence = "ababc", word = "ba"`
Output: `1`
Explanation: "ba" is a substring in "ababc". "baba" is not a substring in "ababc".

Example 3:

Input: `sequence = "ababc", word = "ac"`
Output: `0`
Explanation: "ac" is not a substring in "ababc".

Constraints:

- `1 <= sequence.length <= 100`
- `1 <= word.length <= 100`
- `sequence` and `word` contains only lowercase English letters.

JavaScript

```
1 /**
2  * @param {string} sequence
3  * @param {string} word
4  * @return {number}
5  */
6  const maxRepeating = (sequence, word) => {
7    let ns = sequence.length;
8    let res = 0;
9    for (let i = 1; ; i++) {
10      let tmp = word.repeat(i);
11      if (tmp.length > ns) break;
12      if (ok(sequence, tmp)) {
13        res = Math.max(res, i);
14      }
15    }
16    return res;
17  };
18
19  const ok = (s, word) => {
20    let ns = s.length;
21    let nw = word.length;
22    for (let i = 0; i < ns; i++) {
23      for (let j = i; j < ns; j++) {
24        if (j - i + 1 == nw) {
25          let sub = s.slice(i, j + 1);
26          if (sub == word) return true;
27        }
28      }
29    }
30    return false;
31  }
```

```
31 };
```

☐ Custom Testcase

Use Example Testcases

Run

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