

Description

Solution

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Python3

Autocomplete

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class Solution:

def isMatch(self, s: str,

p: str) -> bool:

'''

1. . means any

character

2. * means zero or more

of the preceding element'''

for i in range(len(p)):

if p[i] == '*:

10. Regular Expression Matching

Hard

6730

944

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Given an input string `s` and a pattern `p`, implement regular expression matching with support for `'.'` and `'*'` where:

- `'.'` Matches any single character.
- `'*'` Matches zero or more of the preceding element.

The matching should cover the **entire** input string (not partial).

Example 1:

Input:

s = "aa", p = "a"

Output:

false

Explanation:

"a" does not match the entire string "aa".

Example 2:

Input:

s = "aa", p = "a*"

Output:

true

Explanation:

'*' means zero or more of the preceding element, 'a'. Therefore, by repeating 'a' once, it becomes "aa".

Example 3:

Input:

s = "ab", p = ".*"

Output:

true

Explanation:

".*" means "zero or more (*) of any character (.)".

Example 4:

Input:

s = "aab", p = "c*a*b"

Output:

true

Explanation:

c can be repeated 0 times, a can be repeated 1 time. Therefore, it matches "aab".

Example 5:

Input:

s = "mississippi", p = "mis*is*p*."

Output:

false

Constraints:

- 1 <= s.length <= 20
- 1 <= p.length <= 30
- s contains only lowercase English letters.
- p contains only lowercase English letters, `'.'`, and `'*'`.
- It is guaranteed for each appearance of the character `'*'`, there will be a previous valid character to match.

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Accepted

Runtime: 54 ms

?

Your input

"aa"

"a"

Output

false

Diff

Expected

false

Console

⌵

Use Example Testcases

?

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Page 1 of 1