

10. Regular Expression Matching

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

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

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

Example 1:

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Input: s = "aa", p = "a"
Output: false
Explanation: "a" does not match the entire string "aa".
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Example 2:

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Input: s = "aa", p = "a*"
Output: true
Explanation: '*' means zero or more of the preceding element, 'a'. Therefore, by repeating 'a' once,
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Example 3:

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Input: s = "ab", p = ".*"
Output: true
Explanation: ".*" means "zero or more (*) of any character (.)".
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Constraints:

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

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Yes No

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