Wildcard Matching

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Total | Question | Solution

Accepted: **38382**　　　Total Submissions: **247470**　　　Difficulty: **Hard**

Implement wildcard pattern matching with support for `'?'` and `'*'`.

```
'?' Matches any single character.
'*' Matches any sequence of characters (including the empty sequence).

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

The function prototype should be:
bool isMatch(const char *s, const char *p)

Some examples:
isMatch("aa","a") → false
isMatch("aa","aa") → true
isMatch("aaa","aa") → false
isMatch("aa", "*") → true
isMatch("aa", "a*") → true
isMatch("ab", "?*") → true
isMatch("aab", "c*a*b") → false
```

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Python ▼

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```
 1   class Solution(object):
 2       def isMatch(self, s, p):
 3           """
 4           :type s: str
 5           :type p: str
 6           :rtype: bool
 7           """
 8           i=0;j=0;p_pos=-1;s_pos=-1
 9           while i < len(s):
10               if j < len(p):
11                   if p[j]=='?' or p[j] == s[i]:
12                       i+=1;j+=1;continue
13                   if p[j]=='*':
14                       j+=1
```

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```
15                        p_pos = j
16                        s_pos = i
17                        continue
18               if s_pos != -1:
19                   s_pos +=1
20                   i = s_pos
21                   j = p_pos
22                   continue
23               return False
24           while j < len(p) and p[j] == '*':j+=1
```

Custom Testcase ☑

```
"abcefgbcfg"
"a*bc*fg"
```

One line for one parameter.

Run Code   Submit Solution

Run Code Status: Finished

Run Code Result: ✕

Your input

```
"abcefgbcfg"
"a*bc*fg"
```

Your answer

```
true
```

Expected answer

```
true
```

Submission Result: Accepted (/submissions/detail/39942722/)

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