

# Regular Expression Matching

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**264128** Difficulty: **Hard**

Question

Solution

Implement regular expression matching with support for '.' and '\*'.

'.' Matches any single character.

'\*' Matches zero or more of the preceding element.

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","a*") → true
```

```
isMatch("aa",".*") → true
```

```
isMatch("ab",".*") → true
```

```
isMatch("aab","c*a*b") → true
```

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```
1 bool isMatch(char* s, char* p) {  
2  
3 }
```

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