# 1071. Greatest Common Divisor of Strings

Hint

Easy 2.8K 435

Companies

For two strings `s` and `t`, we say "`t` divides `s`" if and only if `s = t + ... + t` (i.e., `t` is concatenated with itself one or more times).

Given two strings `str1` and `str2`, return *the largest string* `x` *such that* `x` *divides both* `str1` *and* `str2`.

**Example 1:**

```
Input: str1 = "ABCABC", str2 = "ABC"
Output: "ABC"
```

**Example 2:**

```
Input: str1 = "ABABAB", str2 = "ABAB"
Output: "AB"
```

**Example 3:**

```
Input: str1 = "LEET", str2 = "CODE"
Output: ""
```

**Constraints:**

- `1 <= str1.length, str2.length <= 1000`
- `str1` and `str2` consist of English uppercase letters.

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