1071. Greatest Common Divisor of Strings

Easy | Topics | Companies | Hint

For two strings `s` and `t`, we say "`t` divides `s`" if and only if `s = t + t + t + ... + 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.