[1071. Greatest Common Divisor of Strings](https://leetcode.com/problems/greatest-common-divisor-of-strings/)

Easy

4.1K

798

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.