

686. Repeated String Match

Description

Given two strings `a` and `b`, return *the minimum number of times you should repeat string `a` so that string `b` is a substring of it*. If it is impossible for `b` to be a substring of `a` after repeating it, return `-1`.

Notice: string `"abc"` repeated 0 times is `" "`, repeated 1 time is `"abc"` and repeated 2 times is `"abcabc"`.

Example 1:

Input: `a = "abcd", b = "cdabcdab"`

Output: `3`

Explanation: We return 3 because by repeating a three times `"ab cdabcdab cd"`, b is a substring of it.

Example 2:

Input: `a = "a", b = "aa"`

Output: `2`

Constraints:

- `1 <= a.length, b.length <= 104`
- `a` and `b` consist of lowercase English letters.

