

# 1400. Construct K Palindrome Strings

## Description

Given a string `s` and an integer `k`, return `true` if you can use all the characters in `s` to construct `k` palindrome strings or `false` otherwise.

### Example 1:

**Input:** `s = "annabelle", k = 2`

**Output:** `true`

**Explanation:** You can construct two palindromes using all characters in `s`.  
Some possible constructions `"anna" + "elble"`, `"anbna" + "elle"`, `"anellena" + "b"`

### Example 2:

**Input:** `s = "leetcode", k = 3`

**Output:** `false`

**Explanation:** It is impossible to construct 3 palindromes using all the characters of `s`.

### Example 3:

**Input:** `s = "true", k = 4`

**Output:** `true`

**Explanation:** The only possible solution is to put each character in a separate string.

### Constraints:

- `1 <= s.length <= 105`
- `s` consists of lowercase English letters.
- `1 <= k <= 105`

