

1461. Check If a String Contains All Binary Codes of Size K

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Given a binary string `s` and an integer `k`, return `true` if every binary code of length `k` is a substring of `s`. Otherwise, return `false`.

Example 1:

Input: `s = "00110110"`, `k = 2`

Output: `true`

Explanation: The binary codes of length 2 are "00", "01", "10" and "11". They can be all found as substrings at indices 0, 1, 3 and 2 respectively.

Example 2:

Input: `s = "0110"`, `k = 1`

Output: `true`

Explanation: The binary codes of length 1 are "0" and "1", it is clear that both exist as a substring.

Example 3:

Input: `s = "0110"`, `k = 2`

Output: `false`

Explanation: The binary code "00" is of length 2 and does not exist in the array.

Constraints:

- `1 <= s.length <= 5 * 105`
- `s[i]` is either `'0'` or `'1'`.
- `1 <= k <= 20`