# 1016. Binary String With Substrings Representing 1 To N

## Description

Given a binary string `s` and a positive integer `n`, return `true` *if the binary representation of all the integers in the range* `[1, n]` *are **substrings** of* `s`, *or* `false` *otherwise*.

A **substring** is a contiguous sequence of characters within a string.

### Example 1:

```
Input: s = "0110", n = 3
Output: true
```

### Example 2:

```
Input: s = "0110", n = 4
Output: false
```

### Constraints:

- `1 <= s.length <= 1000`
- `s[i]` is either `'0'` or `'1'`.
- `1 <= n <= 10`$^9$