# 930. Binary Subarrays With Sum

## Description

Given a binary array `nums` and an integer `goal`, return *the number of non-empty **subarrays** with a sum `goal`*.

A **subarray** is a contiguous part of the array.

### Example 1:

```
Input: nums = [1,0,1,0,1], goal = 2

Output: 4

Explanation: The 4 subarrays are bolded and underlined below:

[ 1,0,1 ,0,1]

[ 1,0,1,0 ,1]

[1, 0,1,0,1 ]

[1,0, 1,0,1 ]
```

### Example 2:

```
Input: nums = [0,0,0,0,0], goal = 0

Output: 15
```

### Constraints:

- `1 <= nums.length <= 3 * 10^4`
- `nums[i]` is either `0` or `1`.
- `0 <= goal <= nums.length`