Binary Subarrays With Sum

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