## 2302. Count Subarrays With Score Less Than K Attempted ©

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Hard Topics Companies Hint

The score of an array is defined as the product of its sum and its length.
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• For example, the score of [1, 2, 3, 4, 5] is (1 + 2 + 3 + 4 + 5) \* 5 = 75.

Given a positive integer array [nums] and an integer [k], return the **number of non-empty** subarrays of [nums] whose score is strictly less than [k].

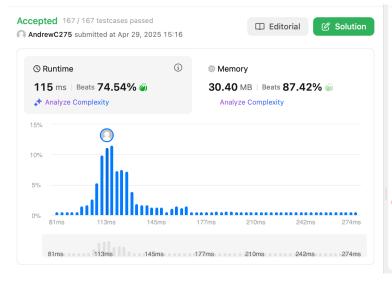
A subarray is a contiguous sequence of elements within an array.

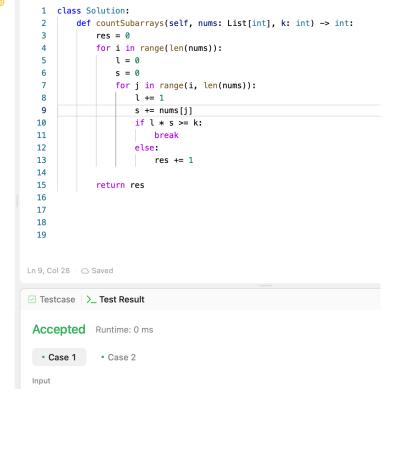
## Example 1:

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Input: nums = [2,1,4,3,5], k = 10
Output: 6
Explanation:
The 6 subarrays having scores less than 10 are:
- [2] with score 2 * 1 = 2.
- [1] with score 1 * 1 = 1.
- [4] with score 4 * 1 = 4.
- [3] with score 3 * 1 = 3.
- [5] with score 5 * 1 = 5.
- [2,1] with score (2 + 1) * 2 = 6.
Note that subarrays such as [1,4] and [4,3,5] are not considered because their scores are 10 and 36 respectively, while we need scores strictly less than 10.
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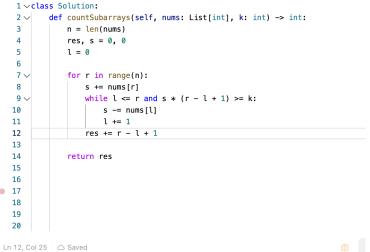
## Time Limit Exceeded

## sliding window works





Python3 ∨ • Auto



for ...

while ... (mostly use the exception to terminate the increasing window size)