You are given an integer array nums consisting of n elements, and an integer k.

Find a contiguous subarray whose **length is equal to** k that has the maximum average value and return *this value*. Any answer with a calculation error less than 10-5 will be accepted.

**Example 1:**

Input: nums = [1,12,-5,-6,50,3], k = 4  
Output: 12.75000  
Explanation: Maximum average is (12 - 5 - 6 + 50) / 4 = 51 / 4 = 12.75

**Example 2:**

Input: nums = [5], k = 1  
Output: 5.00000

**Constraints:**

* n == nums.length
* 1 <= k <= n <= 105
* -104 <= nums[i] <= 104