

Leet Code

Day-45 Q-04 Maximum Average Subarray I

Given an array consisting of n integers, find the contiguous subarray of given length k that has the maximum average value. And you need to output the maximum average value.

Example 1:

Input: `[1,12,-5,-6,50,3]`, `k = 4`

Output: `12.75`

Explanation: Maximum average is $(12-5-6+50)/4 = 51/4 = 12.75$

Note:

1. $1 \leq k \leq n \leq 30,000$.
2. Elements of the given array will be in the range $[-10,000, 10,000]$.