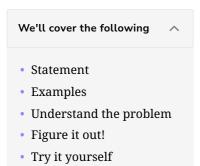




Sliding Window Median

Try to solve the Sliding Window Median problem.



Statement

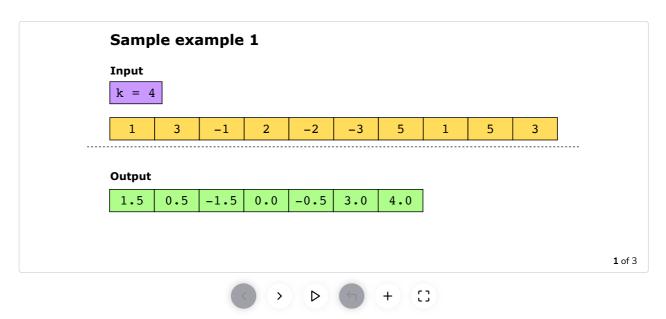
Given an integer array, nums, and an integer, k, there is a sliding window of size k, which is moving from the very left to the very right of the array. We can only see the k numbers in the window. Each time the sliding window moves right by one position.

Given this scenario, return the median of the each window. Answers within 10^{-5} of the actual value will be accepted.

Constraints:

• $1 \leq$ k \leq nums.length $\leq 10^5$ • $-2^{31} <$ nums[i] $< 2^{31} - 1$

Examples



Understand the problem

?

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

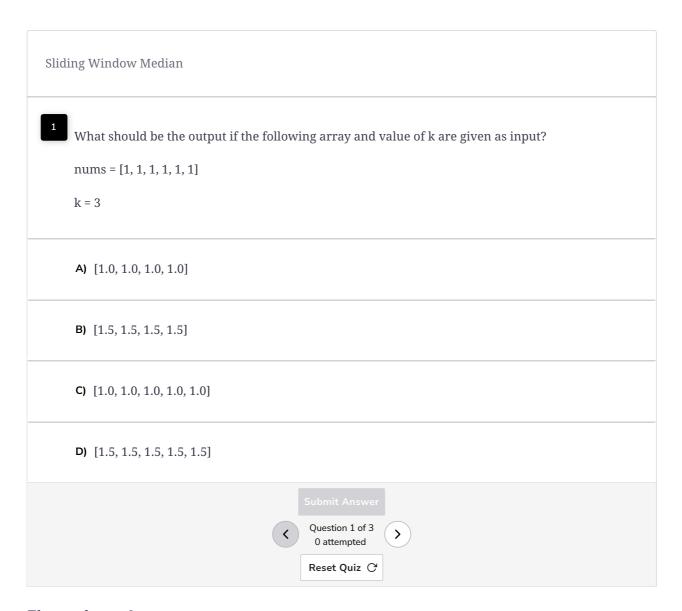
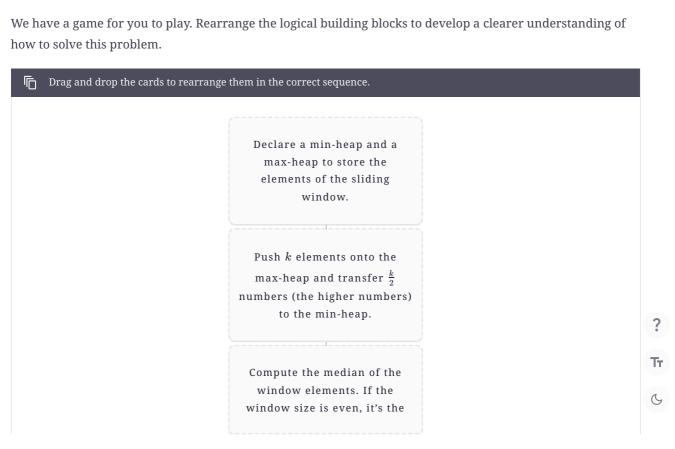
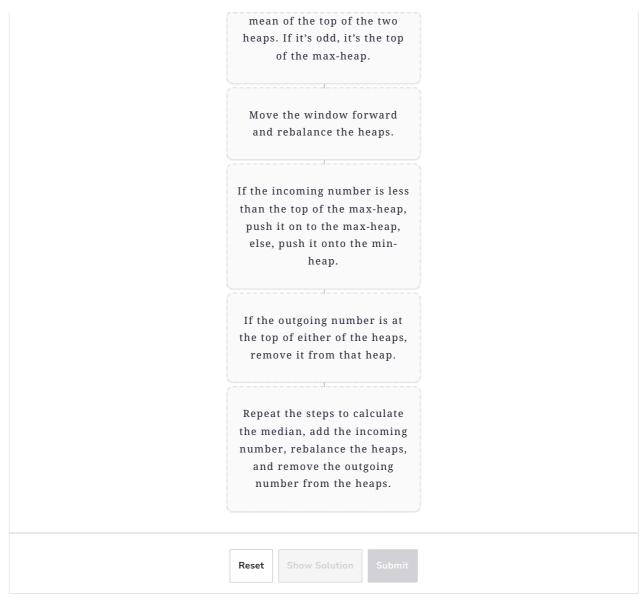


Figure it out!





Try it yourself

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Sliding Window Median



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