You are given three positive integers: n, index, and maxSum. You want to construct an array nums (**0-indexed**) that satisfies the following conditions:

* nums.length == n
* nums[i] is a **positive** integer where 0 <= i < n.
* abs(nums[i] - nums[i+1]) <= 1 where 0 <= i < n-1.
* The sum of all the elements of nums does not exceed maxSum.
* nums[index] is **maximized**.

Return nums[index] *of the constructed array*.

Note that abs(x) equals x if x >= 0, and -x otherwise.

**Example 1:**

Input: n = 4, index = 2, maxSum = 6  
Output: 2  
Explanation: nums = [1,2,2,1] is one array that satisfies all the conditions.  
There are no arrays that satisfy all the conditions and have nums[2] == 3, so 2 is the maximum nums[2].

**Example 2:**

Input: n = 6, index = 1, maxSum = 10  
Output: 3

**Constraints:**

* 1 <= n <= maxSum <= 109
* 0 <= index < n