BACK   Replace Middle   ⌄

DESCRIPTION   SOLUTIONS 7969   COMMENTS 2   ❯   CODEWRITING   SCORE: 300/300

We define the *middle* of the array `arr` as follows:

- if `arr` contains an odd number of elements, its *middle* is the element whose index number is the same when counting from the beginning of the array and from its end;
- if `arr` contains an even number of elements, its *middle* is the sum of the two elements whose index numbers when counting from the beginning and from the end of the array differ by one.

Given array `arr`, your task is to find its *middle*, and, if it consists of two elements, replace those elements with the value of *middle*. Return the resulting array as the answer.

Example

- For `arr = [7, 2, 2, 5, 10, 7]`, the output should be
  `replaceMiddle(arr) = [7, 2, 7, 10, 7]`.

  The *middle* consists of two elements, `2` and `5`. These two elements should be replaced with their sum, i.e. `7`.

- For `arr = [-5, -5, 10]`, the output should be
  `replaceMiddle(arr) = [-5, -5, 10]`.

  The *middle* is defined as a single element `-5`, so the initial array with no changes should be returned.

Input/Output

- **[execution time limit] 4 seconds (js)**

- **[input] array.integer arr**

  The given array.

  Guaranteed constraints:
  `2 ≤ arr.length ≤ 10`^{4},
  `-10`^{3} `≤ arr[i] ≤ 10`^{3}.

- **[output] array.integer**

  `arr` with its *middle* replaced by a single element, or the initial array if the *middle*