Given an array of integers, find the maximal absolute difference between any two of its adjacent elements.

Example

For `inputArray = [2, 4, 1, 0]`, the output should be
`arrayMaximalAdjacentDifference(inputArray) = 3.`

Input/Output

- **[execution time limit] 0.5 seconds (cpp)**

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

  Guaranteed constraints:
  `3 ≤ inputArray.length ≤ 10,`
  `-15 ≤ inputArray[i] ≤ 15.`

- **[output] integer**

  o   The maximal absolute difference.