You are given an array consisting of \( n \) distinct integers. On each move, you can swap any two adjacent values. You want to transform the array into a \textit{pyramid array}. This means that the final array has to be first increasing and then decreasing. It is also allowed that the final array is only increasing or decreasing. What is the minimum number of moves needed?

**Input**
The first input line has an integer \( n \): the size of the array.

The next line has \( n \) distinct integers \( x_1, x_2, \ldots, x_n \): the contents of the array.

**Output**
Print one integer: the minimum number of moves.

**Constraints**
- \( 1 \leq n \leq 2 \cdot 10^5 \)
- \( 1 \leq x_i \leq 10^9 \)

Explanation Example 1:
You may swap the first two values which creates a pyramid array \([1, 2, 5, 3]\)

<table>
<thead>
<tr>
<th>Sample Input 1</th>
<th>Sample Output 1</th>
</tr>
</thead>
</table>
| 4
| 2 1 5 3       | 1               |