3. Array Game

Given an array of integers, determine the number of moves to make all elements equal. Each move consists of choosing all but 1 element and incrementing their values by 1.

Example

numbers = [3, 4, 6, 6, 3]

Choose *4* of the *5* elements during each move and increment each of their values by one. Indexing begins at 1. It takes 7 moves as follows:

Solve question 3

```
Iteration              Array              Unchanged
                                          element's
    0           [ 3,  4,  6,  6,  3]
    1           [ 4,  5,  7,  6,  4]          3
    2           [ 5,  6,  7,  7,  5]          2
    3           [ 6,  7,  8,  7,  6]          3
    4           [ 7,  8,  8,  8,  7]          2
    5           [ 8,  9,  9,  8,  8]          3
    6           [ 9,  9, 10,  9,  9]          1
    7           [10, 10, 10, 10, 10]          2
```

Function Description

Complete the function *countMoves* in the editor below.

countMoves has the following parameter(s):

int numbers[n]: an array of integers

Returns:

long: the minimum number of moves required

Constraints

- $1 \le n \le 10^5$
- $1 \le numbers[i] \le 10^6$

▸ **Input Format for Custom Testing**

▾ **Sample Case 0**

Sample Input 0

```
STDIN     Function
-----     --------
5    →    numbers[] size n = 5
5    →    numbers = [5, 6, 8, 8, 5]
6
8
8
5
```

Sample Output 0