



## 2037. Minimum Number of Moves to Seat Everyone

There are n seats and n students in a room. You are given an array seats of length n, where seats[i] is the position of the i<sup>th</sup> seat. You are also given the array students of length n, where students[j] is the position of the j<sup>th</sup> student.

You may perform the following move any number of times:

• Increase or decrease the position of the  $i^{th}$  student by 1 (i.e., moving the  $i^{th}$  student from position x to x + 1 or x - 1)

Return the **minimum number of moves** required to move each student to a seat such that no two students are in the same seat.

Note that there may be **multiple** seats or students in the **same** position at the beginning.

## Example 2: