**Play with Matrix**

You and your friend are playing a game in which a square matrix of some size is given. First, your friend will modify it in a way that the sum of elements in each row and each column becomes equal. And then, you have to figure out how many operations your friend must've done in order to modify the matrix.

**Problem Description**

Write a code that takes a square matrix of size *N* as input and returns the minimum number of operations needed to make the sum of elements of each row and each column equal.

**Input Format**

First Line is the matrix size *N*.

Second line consists of elements of the matrix.

**Output Format**

Number of operations required, as explained above.

**Constraints**

1<= *N* <=10

1<= matrix-elements <=103

**Sample Input**

2

2 2 1 3

**Sample Output**

2

**Explanation**

The given matrix of size 2 (i.e, order 2\*2) is as follows:

2 2

1 3

To make sum of each row and column equal, we need to modify this matrix as follows:

2 2

2 2

This can be done by increasing the 3rd element by 1 and decreasing the 4th element by 1. Thus, a total of *2 operations* are required in this case.