A. 123-sequence

There is a given sequence of integers $a_1, a_2, ..., a_n$, where every number is from 1 to 3 inclusively.
You have to replace the minimum number of numbers in it so that all the numbers in the sequence are equal to each other.

Input

The first line contains an integer n ($1 \leq n \leq 10^6$). The second line contains a sequence of integers $a_1, a_2, ..., a_n$ ($1 \leq a_i \leq 3$).

Output

Print the minimum number of replacements needed to be performed to make all the numbers in the sequence equal.

Examples

input
9
1 3 2 2 2 1 1 2 3

output
5

Note

In the example all the numbers equal to 1 and 3 should be replaced by 2.