**Problem - 1**

Use faster IO methods [scanf and printf for C++]

Sharo has recently started cooking.He has learnt to make sushi.

In the coming N days he will have ai number of guests visiting his house on the ith day.[For example if 4 guests visit his house on the 1st day then i = 1 and ai = 4)

**He is very lazy so he wants to make a minimum number of sushi everyday so that the sushi can be divided (without any remainder) among the guests for each of the N days.**

As he is weak in maths he wants khalid’s help . As Khalid is weak in maths he wants you to identify the minimum amount of sushi sharo can make each day so that it can be completely divisible for the next N days among the guests.

**Input**

There are T( 1 <= T <= 1000000) test cases.

The following line will have N (number of days). ( 1 <= N <= 10000)

The following line will have N number of inputs a[i] indicating the number of guests on the iTh day. ( 1 <= a[i] <= 1000000)

**Output**

print the minimum number of sushi sharo should make for the next N days.

**Sample input**

2

3

4 5 6

2

8 10

**Sample output**

60

40