Sum of Something

You are given an array **a** consisting of **n** integers. You need to find the **sum** of all the **common divisors** between the given integers.
For example: suppose the given numbers are **4**, **6** and **8**. The common divisors between them are 1 and 2. So the answer will be **3**.

Input
The first line of the input will contain the number of test cases **t (1 <= t <= 10).**
For each test case, there will be two lines of input. First-line will contain the number of integers in the array **n (1 <= n <= 10^5).** The following line will contain the **n** integers **a[1], a[2], a[3], …., a[n] (1 <= a[i] <= 10^9)** where **a[i]** is the **i**-th element of the array **a**.

Output
For every test case print just one integer in a new line, the **sum** of all the **common divisors** between the given integers.

Sample input:
3
3
4 6 8
2
15 13
1
5

Sample output:
3
1
6