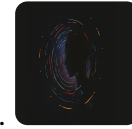


CS 3233

Competitive Programming

Contests



Benvenuto, T17_A0244126M.

[Logout](#)

Problem B1

Linear-time Sort (Weaker)

Time limit: 2.5s
Memory limit: 512 MB

This task is now due. Steven has redacted the problem statement. Steven has other potential ideas of (linear-time) sorting questions for future CS3230.

Input format

The first line of input contains an integer TC , denoting the number of test cases.

Each test case consists of three lines:

- The first line contains one integer N .
- The second line contains three integers A , B , and C .
- The third line contains two integers X and Y .

Output format

For each test case, output the hash value of S .

Constraints

- $1 \leq TC \leq 30$;
- $1 \leq N \leq 10^6$;
- $1 \leq A, B \leq 10^6, 2 \leq C \leq 10^6$;
- $1 \leq X \leq 10^9, 2 \leq Y \leq 10^9$.

It is guaranteed that a correct algorithm for the given constraints implemented in the slowest supported language (use PyPy instead of Python 3 option) is fast enough to beat the time limit.

Sample Input

Copy Input

CS3230
PA1 (03-
17 Feb
2023)

Contest
over!

Problems

A ✓
B1 ✓
B2 ✓

Standings

Submissions

Submit

C++ ▼

Choose file

No file chosen

Submit

```
2
7
7 77 777
7777 77777
7
77777 7777 777
77 17
```

Sample Output

Copy Output

```
37079
6
```

Notes

Steven Wijaya, a few years ago for another project.

Modified for CS3230 specific requirements by Dr
Steven Halim.

Last used: CS3230, 03-17 Feb 2023.