Problem F
Fast and Hairy

Time limit: 5 seconds

Memory limit: 1024 megabytes

Problem Description

Uiharu and Misaka are running a barbershop. There are N customers every day. Everyone wants a different hair style so the work load w_i would be different. Uiharu and Misaka have different skills to speed up their work. Uiharu could program the hair clipper to work faster. She can finish U unit of work per second. Misaka could control the electricity and operate the hair clipper without hands. She can finish M unit of work per second. Each customer can only be serviced by one barber. Uiharu and Misaka want to getting off work together. They'll go home after the last customer leave. They need to distribute the work load evenly. Right now, they are busy on preparing their equipment. Can you help them find out what is the least time to finish today's work? If the last customer leaves in the middle of a second, we say the work finishes at the end of the second.

Input Format

First line contains one integer T. There are T test cases followed by. In each test, the first line contains three numbers N, U, and M separated by blanks. The second line contains N numbers $w_1, w_2, \ldots, w_N$.

Output Format

For each test data, output one number representing the least time to finish today's work.

Technical Specification

- $1 \le T \le 100$
- $1 \le N \le 10000$
- $1 \le U \le 10000$
- $1 \le M \le 10000$
- $1 \le w_i \le 100$ for $i \in \{1, 2, \ldots, N\}$.

Sample Input 1

```
1
5  2  3
2  7  3  6  6
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Sample Output 1

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5
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