[mm19]Surface to Volume Ratio

Write a program to compute surface to volume ratio. We will be given the height, width, and depth of N cuboid, and determine the smallest surface to volume ratio among them.

Input File Format

The first line of the input data consists of N, where 0 < N <= 1000. The next N lines contain the height, width, and depth of each cuboid. All the dimensions are between 1 and 50.

Output Format

You should output the smallest surface to volume ratio as "a/b". This number must be simplified, that is, a and b must be prime to each other.

Example

Sample Input:
2
2 3 4
1 1 1

Sample Output:
13/6