

Surface Area and Volume of Cuboid

Write a program to calculate the total surface area and volume of cuboid.

Input:

The first line of the input contains T denoting the number of testcases. Each of the next T lines contains three space separated positive integers L, B, H denoting the length, width and height of cuboid respectively.

Output:

For each testcase, output two space separated integers denoting surface area and volume of cuboid respectively.

Constraints:

$$1 \leq T \leq 100$$

$$1 \leq l, b, h \leq 1000$$

Example:

Input:

1

1 2 3

Output:

22 6