2369 - Add and Multiply

Description

Given three integers A, B, C, you are allowed to perform exactly two operations on these numbers: an addition and a multiplication. For instance, if A = 10, B = 3, C = 2, we can get (10 + 2) * 3 = 36.

What are the minimum and maximum values you can get by applying these two operations?

Input specification

The first line of input contains **1 <= T <= 200**, the number of test cases to consider.
Each of the next **T** lines contains three integers **A**, **B**, and **C** (where **-1,000,000 <= A, B, C <= 1,000,000**).

Output specification

For each test case, output a line with the minimum and maximum values described in the statement.

Sample input

```
2
10 3 2
-3 2 -5
```

Sample output

```
16 50
-16 17
```

Hint(s)

Source	Carlos Joa
Added by	**ymondelo20**
Addition date	2013-05-04
Time limit (ms)	1000
Test limit (ms)	1000

Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text