**Table Decorations**

You have r red, g green and b blue balloons. To decorate a single table for the banquet you need exactly three balloons. Three balloons attached to some table shouldn't have the same color. What maximum number t of tables can be decorated if we know number of balloons of each color?

Your task is to write a program that for given values r, g and b will find the maximum number t of tables, that can be decorated in the required manner

Input

The input consists of a number of cases. Each case starts with a single line contains three integers r, g and b (0 ≤ r, g, b ≤ 2·109) — the number of red, green and blue balloons respectively. The numbers are separated by exactly one space.

Output

Print a single integer t — the maximum number of tables that can be decorated in the required manner.

Sample input

5 4 3

1 1 1

Sample output

4

1