알고리즘
Programming Assignment

05 [Fundamental]:
Table decorations

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미디어소프트웨어학과
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Table decorations

- **Problem**
- 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.

Table decorations

- **Input**

The single line contains three integers r, g and b ($0 \le r, g, b \le 2 \cdot 10^9$) — the number of red, green and blue baloons 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.

Table decorations

- **Test case**

input
5 4 3
output
4

input
1 1 1
output
1

input
2 3 3
output
2

Table decorations

- **Evaluation strategy**

	Term	Credit
1	Is the designed algorithm proper to solve this problem?	20
2	Is proper data structure designed?	20
3	Are the test cases solved correctly? (3 test cases)	60

Table decorations

- 제출
  - 11월 18일 PM 11:59
- 제출 방식
  - ecampus
  - 가능하면 Visual Studio 2013을 사용하며, project 전체를 zip해서 올릴 것
  - 컴파일시 에러가 발생하면 0점 처리함
  - 만약 ecampus가 안되면 roboteck@naver.com
- 감점
  - 1시간 늦을때마다 10%씩 감점
  - 1회 copy or copied일 때 해당 숙제 0점 처리
  - 2회 copy or copied일 때 F
  - 지인의 도움시에도 copy or copied를 적용함