Homework #6

Due date: 21:30, November 17th, Tuesday, 2015

Problem statement

Compute add, subtraction and multiply operations on large numbers.

Requirements

- 1. Write a C program that is capable of handling input.
- 2. See the sample run below for the required output format, your output must be in the exactly same format with the sample.
- 3. Given 2 integer numbers a and b while $0 \le b \le a \le 10^{100}$.
- 4. Calculate a+b(40 points), a-b(40 points) and a*b(20 points).
- 5. Execution time limit: 1 second.

Submission

Be sure to upload your source code to E3 by the due date and name your file as "**HW6_xxxxxxxx**c", where **xxxxxxx** is your student ID.

Sample run

Hint

You may store inputs as strings and do the calculations in the same way you do it on paper (直式算法).

In the case of a*b, you can NOT just do a+a for b times, it will take more then 1 second.