Practice Arena

Practice problems aimed to improve your coding skills.

- PRACTICE-02_SCAN-PRINT
- PRACTICE-03_TYPES
- LAB-PRAC-02_SCAN-PRINT
- LAB-PRAC-01
- PRACTICE-04_COND
- BONUS-PRAC-02
- LAB-PRAC-03_TYPES
- PRACTICE-05_COND-LOOPS
- LAB-PRAC-04_COND
- LAB-PRAC-05_CONDLOOPS
- PRACTICE-07_LOOPS-ARR
- LAB-PRAC-06_LOOPS
- LAB-PRAC-07_LOOPS-ARR
- LABEXAM-PRAC-01_MIDSEM
- PRACTICE-09_PTR-MAT
- LAB-PRAC-08_ARR-STR
  - Il fratello di Fibonacci
  - Hidden Palindrome
  - Hush Hush Hash
  - Maximum Match
  - El secreto de sus I
  - Star Replacement
  - Stronger together
  - Rigorous and repeated redaction
  - strnrev
  - Monster and Mini Multiply
  - Clash of the Substrings
  - Personalizing Emails
- PRACTICE-10_MAT-FUN
- LAB-PRAC-09_PTR-MAT
- LAB-PRAC-10_MAT-FUN
- PRACTICE-11_FUN-PTR
- LAB-PRAC-11_FUN-PTR
- LAB-PRAC-12_FUN-STRUC
- LABEXAM-PRAC-02_ENDSEM
- LAB-PRAC-13_STRUC-NUM
- LAB-PRAC-14_SORT-MISC

Monster and Mini Multiply

LAB-PRAC-08_ARR-STR

Monster and Mini Multiply [10 marks]

Problem Statement
The input will be given in three lines, on the first two lines, you will be given two very large non-negative integers a and b with exactly 40 digits each. In the third line, you will be given a single non-negative, single digit integer x. You have to print the value of a*x + b as your output in a single line.

There should not be any leading zeros in your output. However, if the final answer is itself zero, just print a single "0" (without quotes) as your output.

Caution

1. The huge integers a and b will have exactly 40 digits in the way they are given to you. However, some of the leading digits in the representation of a and b may be zero (please see example below).
2. However, there should not be any leading zeros in your output.
3. Be careful about extra/missing lines and extra/missing spaces in your output. More specifically, do not print 0000000000000000000000000000000000000037 as your output. Print 37 instead.
4. Your output may have more than 40 digits

HINT: The integers you will be given cannot be stored even in a long variable. Consider storing them in an array.

EXAMPLE:
INPUT
9517330874833405504130385982694719818199
5691066055059061890234375756180617820379
4

OUTPUT:
437603895543926839067559196869594970931 75

Grading Scheme:
Total marks: **[10 Points]**

There will be no partial grading in this question. An exact match will receive full marks whereas an incomplete match will receive 0 points. Please be careful of missing/extra spaces and missing/lines (take help of visible test cases). Each visible test case is worth 1 point and each hidden test case is worth 2 points. There are 2 visible and 4 hidden test cases.

Start Solving! (/editor/practice/6172)