Find correct arithmetic expressions

Cost: 8 | Solved: 122

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given a set of strings separated with line feed characters.

We'll be considering a string a **correct arithmetic expression** *if it consists of positive integers separated with math symbols +, -, *, / without whitespace character in between. A single digit is also considered to be a correct arithmetic expression.*

Find all the longest substrings containing correct arithmetic expressions.

Input:

A set of strings separated with line feed characters.

Output:

All the longest correct substrings in the order in which they appear in the text, separating each with a line feed character.

Example:

Input	Output
a+5*42/0 a1a	5*42 1