

Coding Challenge

Instructions

For this question you will be required to write a small program to solve a challenge that will be presented to you once you begin.

Challenge Type

Programming

Python 3 ▾

(You can change your language later.)

Time limit

45 min

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挑战

< 编辑器

Python 3 (v 3.10)

默认键绑定

重置代码

Split the Number

编程挑战说明:

You are given a number N and a pattern. The pattern consists of lowercase latin letters and one operation "+" or "-". The challenge is to split the number and evaluate it according to this pattern e.g.

1232 ab+cd → a:1, b:2, c:3, d:2 → 12+32 → 44

输入:

Your program should read lines from standard input. Each line contains the number and the pattern separated by a single whitespace.

The number will be in range [100, 1000000000]. All test cases contain valid expressions (no leading zeros).

输出:

Print out the result of the pattern evaluation.

测试 1

测试输入

```
3413289830 a-bcdefghij
```

预期输出

```
-413289827
```

>_ 测试案例输出

▷ 运行测试案例

测试 2

没有可以显示的结果。请单击上方的“运行测试案例”来测试代码。

测试输入

```
776 a+bc
```

预期输出

挑战

Number Pairs

编程挑战说明:

You are given a sorted array of positive integers and a number X. Print out all pairs of numbers whose sum is equal to X. Print out only unique pairs and the pairs should be in ascending order

输入:

Your program should read lines of text from standard input. Each line will contain a comma separated list of sorted numbers, followed by a semicolon, followed by the integer X.

输出:

For each line of input, print to standard output the pairs of numbers that sum to X. Print the pairs in ascending order (the first number of each pair should be less than or equal to the second number). If no pair exists that sums to X, print the string NULL.

</> 编辑器

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C 重置代码

```
1 import sys
2 # import numpy as np
3 # import pandas as pd
4 # from sklearn import ...
5
6 for line in sys.stdin:
7     print(line, end="")
```

>_ 测试案例输出

▷ 运行测试案例

没有可以显示的结果。请单击上方的“运行测试案例”来测试代码。