



Brackets Expressions

You are given a valid mathematical expression.

Extract the valid expressions, between brackets.

Input

- Read from the standard input
- On the single line of the input, find the expression

Output

- Print to the standard output
- Print all valid expressions between brackets, each on a separate line
 - Order them by appearance of closing bracket

Sample Tests

Input

```
5 * (123 * (1 + 3) + ((4 - 3) / 6))
```

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Output

[Copy](#)[Submit solution](#)[All submissions](#)[Best submissions](#)**✓ Points:** 100

(partial)

⌚ Time limit: 0.1s

C#: 0.1s

Java: 1.0s

JavaScript: 0.2s

📄 Memory limit:

16M

C#: 32M

Java: 32M

JavaScript: 16M

✍ Author:[donchominkov](#)**🏷 Tags**

Linear Data

Structures

⬆ Difficulty

Intermediate

▼ Allowed languages

C#, java,

JavaScript



```
((4 - 3) / 6)
(123 * (1 + 3) + ((4 - 3) / 6))
```

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