

Readme

Open a terminal window, navigate to the folder of

'Etedude10.java'.

Compile the program by entering:

javac Etedude10.java in Terminal.

Enter *java Etedude10 [x] [y]* to run the program, where [x] is a line of space separated integers, and [y] is a new line with an integer to test against, and a single capital Character(Either 'L' for left to right operations, or 'N' for normal BEDMAS operations).

Further Lines of inputs and target values/operation types can be entered, and the output will be displayed in order.

Every 2 input lines (Numbers to operate on | target value/operation type) will print a new line with the given character of operation, the target value, and either the operations the given numbers require in the given operation order to reach the target value, or the line "Impossible"

Testcases:

The following lines were used as test cases, with the following correct given output:

Input

```
1 2 3
7 N
1 2 3
9 L
3 3 3 4
34 N
3 3 3 4
31 N
2 4 3 3 4
37 L
10 5 5
75 L
```

Output

```
1 2 3
7 N
N 7 1 + 2 * 3

1 2 3
9 L
L 9 1 + 2 * 3

3 3 3 4
34 N
N 34 impossible
```

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```
3 3 3 4
31 N
N 31 3 * 3 * 3 + 4
```

```
2 4 3 3 4
37 L
L 37 2 * 4 + 3 * 3 + 4
```

```
10 5 5
75 L
L 75 10 + 5 * 5
```