Java Development Homework 2

Due before March 22 9:00am

Problem Description

Given a positive integer N (0 < N < 10^9), please calculate how many ways N can be expressed as the sum of consecutive positive integers. For example, 9 can be expressed in 3 ways:
2+3+4
4+5
9

Input:
One positive integer N (0 < N < 10^9)

Output:
Output the different ways N can be expressed as the sum of consecutive positive integers. The output should be in ascending order.
If the input is invalid, output E.

Problem Description (中文)

給一個正整數N (0< N < 10^9), 請計算出N有多少種以連續的正整數相加的和來表達的方式。
所有的正整數都可以以連續的正整數相加的和來表達。
例如: 9有3種表達方式
2+3+4
4+5
9

輸入說明:
輸入一個正整數N (0 < N < 10^9)

輸出說明:
輸出有哪幾種相加方式。
輸出順序由小到大。
不合法的輸入則輸出E。

Sample Input and Output

Keyboard Input	9
Output	2+3+4 4+5 9

Keyboard Input	30
Output	4+5+6+7+8 6+7+8+9 9+10+11 30

Keyboard Input	35
Output	2+3+4+5+6+7+8 5+6+7+8+9 17+18 35

Keyboard Input	-1
Output	E

Submission

Please archive your source code to STUDENT_ID.zip (download the example zip file from Moodle) and **upload to Moodle** before deadline.

Your zip file should follow the following format.

```
STUDENT_ID.zip
|- src
|- META-INF
| |- MANIFEST.MF
```

All the source files (*.java) are put in the src directory.

The entry point (i.e. main class) of the program is specified in the MANIFEST.MF file.

No late submission is accepted.