# Problem B
## Cubes
**Input:** Standard Input
**Output:** Standard Output

Given a positive integer N you will have to find two positive integers x and y such that:

$$N = x^3 - y^3$$

## Input
The input file contains at most 10o lines of inputs. Each line contains a positive integer N (0<N≤10000). Input is terminated by a line containing a single zero. This line should not be processed.

## Output
For each line of input produce one or more lines of output. Each of these lines contains two positive integers x, y separated by a single space, such that $N = x^3 - y^3$. If there is no such integer values of x and y then produce the line "No solution" instead. If there is more than one solution then output the one with smallest value of y.

| Sample Input | Output for Sample Input |
|---|---|
| 7<br>37<br>12<br>0 | 2 1<br>4 3<br>No solution |

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