**1070 - A Simple Calculation**

## Description

The next questions are classics of mathematics workshop. How many squares are in the **N x N** chessboard squares? And, how many rectangles of any size?

## Input specification

The input file consists of several lines. The line number **i** contains a single number **N [1 <= N <= 100]** representing the size of the **i**-th chessboard.

## Output specification

The output file should contain the same number of lines as the input file. The **i**-th line should contain two numbers separated by a blank space - the number of squares, and the number of rectangles.

## Sample input

```
1
2
3
```

## Sample output

```
1 1
5 9
14 36
```

## Hint(s)

| | |
|---|---|
| Source | UCI XXIV Void Cup 2010 |
| Added by | **ejaltuna** |
| Addition date | 2011-10-13 06:08:30.0 |
| Time limit (ms) | 1000 |
| Test limit (ms) | 1000 |
| Memory limit (kb) | 131072 |
| Output limit (mb) | 64 |