UVa
Online Judge

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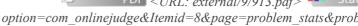Root <*URL: index.php?
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Problem A

Joana and the Odd Numbers

Joana loves playing with odd numbers. In the other day, she started writing, in each line, an odd number of odd numbers. It looked as follows:

```
 1
 3  5  7
 9 11 13 15 17
19 21 23 25 27 29 31
...
```

On a certain line Joana wrote 55 odd numbers. Can you discover the sum of the last three numbers written in that line? Can you do this more generally for a given quantity of odd numbers?
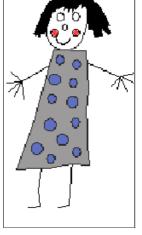
Problem

Given the number **N** of odd numbers in a certain line, your task is to determine the sum of the last three numbers of that line.

Input

The input is a sequence of lines, one odd number N (*1<N<1000000000*) per line.