Problem B
Just Calculate

Time limit: 1s
Memory Limit: 8MB

Congratulations! You have learned C/C++ for more than 2 weeks. Now, let us try what you have learned during those 2 weeks. You will be given an integer X, and you need to output the value of $x^2 + 3x + 6$.
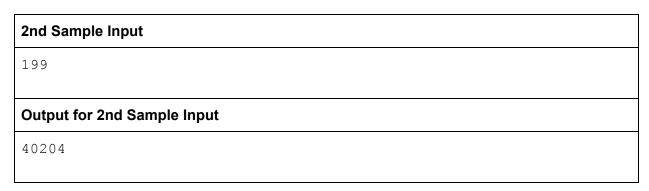
Input

The first line is the integer X ($-100.000.000 \leq X \leq 100.000.000$).

Output

You need to output the value described above. **REMEMBER!** If you output unnecessary character(s), the system will give you "Wrong Answer" instead of "Correct".

1st Sample Input
4

Output for 1st Sample Input
34

2nd Sample Input
199

Output for 2nd Sample Input
40204

Note: Always print a newline (\n) at the end of the answer.
Note: Be very careful to check the bound of a data type.