

Problem H

Square

Time limit: 2 second
Memory: 1024 megabytes

Problem Description

Ti and Teo are very close friends, but Ti loves to create difficult math problems while Teo enjoys solving them. One day, on the occasion of Teo's birthday, Ti came up with a math problem related to squares, intending that if Teo answers correctly, Ti will give him a gift with a size equal to the answer Teo provides; otherwise, Teo will get nothing.

The problem is as follows: "Given a square **ABCD**, on side **CD**, three distinct smaller squares are drawn consecutively. The total perimeter of the three smaller squares is **N**. Find the perimeter and area of square **ABCD**."

Input:

- An only positive integer **N** ($N \leq 10^9$).

Output:

- Contains two positive integers separated by a space, respectively the perimeter and area of square **ABCD**.

Example:

INPUT	OUTPUT
24	24 36