MARATONA DE PROGRAMAÇÃO
InterFatecs

Problema F

SquareCity

Arquivo fonte: squarecity.{ c | cpp | java | py }
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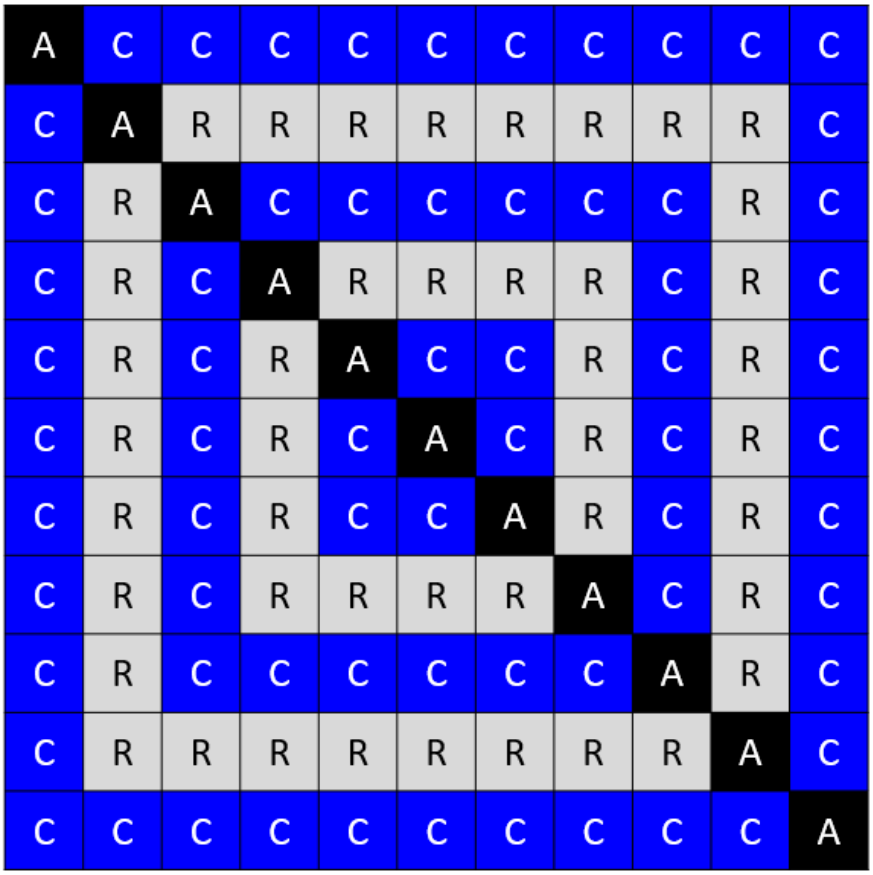
Stanley is an architect and is working on the urban design of a new city called *SquareCity*. The city was entirely planned from concentric squares and formed exclusively by houses, streets and avenues. In the project, the houses and streets are arranged concentrically up to the outer limits of the city. A single avenue cuts the main diagonal of the city, and streets separate the blocks of houses.

To help the project visualization, Stanley used graph paper and observed the layout of the houses, identified by the letter *C*, of the streets represented by the letter *R*, and also of the avenue indicated by the letter *A*.



The main difficulty faced by Stanley is to quickly and practically determine the number of houses that can be built in the city. For that, you will have to elaborate a computational solution capable of performing this calculation.

Entrada

The input is composed of a single line containing an odd integer value named x such that $1 \leq x \leq 101$. The value of x represents the number of rows and columns used in the graph paper.

Saída

A single integer value indicating the number of houses that can be built for a city of size x, followed by a line break.

Exemplo de Entrada 1	Exemplo de Saída 1
1	0

Exemplo de Entrada 2	Exemplo de Saída 2
3	6

Exemplo de Entrada 3	Exemplo de Saída 3
9	28