2786 - Coder

Description

A Coder is a new piece of chess game. A Coder can move (and attack) one square horizontally or vertically. If one Coder is located at position (x,y), he can move to (or attack) positions (x+1,y), (x–1,y), (x,y+1) and (x,y–1). Given N, the size of a chessboard, you need to calculate the maximum number of Coders that you can place on it, so that no Coder attacks any other.

Input specification

The first line contains an integer **N (1 N 1000)**.

Output specification

In the first line you must print the maximum number of Coders that can be placed on the chessboard.

Sample input

2

Sample output

2

Hint(s)

Source	José Ricardo Arias
Added by	**ralcolea**
Addition date	2014-03-27
Time limit (ms)	10000
Test limit (ms)	1000
Memory limit (kb)	65535
Output limit (mb)	64
Size limit (bytes)	30000