[PI001] The Even Collector's Quest

In a distant kingdom, the wise mathematician Ada is on a quest to find patterns in numbers. She has discovered that even numbers hold a special power, and she needs your help to compute their total magic.

Given a number n, Ada wants to find the sum of all even numbers between 1 and n, inclusive. Your task is to write a program that helps Ada quickly determine this sum so she can continue her mathematical explorations.

Input

You are given an integer n (1 ≤ n ≤ 1000).

Output

Print a single integer representing the sum of all even numbers between 1 and n (inclusive).

Input/Output Examples

Input 1	Output 1
20	110

Input 2	Output 2
5	6