

LKP '18 Contest 1 P2 - Observing Frogs

Time limit: 0.1s **Memory limit:** 16M
Java: 0.3s

Lyestria is observing a group of N frogs. The frogs are numbered from 1 to N .

The frog numbered i conveniently lives at the point i . On this day, the frog numbered i wants to go to the point $N - i + 1$, where all the points are equally spaced.

Lyestria then asks you to compute the sum of the distances each frog must travel to get to their desired location.

Constraints

$$1 \leq N \leq 10^9$$

Input Specification

The first line contains one integer, N , the number of frogs.

Output Specification

On one line, output one integer, the sum of the distances each frog must travel to get home.

Sample Input 1

4

Sample Output 1

8

Sample Input 2

5

Sample Output 2
