

Series 1

30 POINTS

Write a program to accept an integer N from the standard input device and output the sum of the following series upto two decimal places.
 $\frac{2}{9} - \frac{5}{13} + \frac{8}{17} \dots$

Input format:
A single line of input containing N

Output format:
A single line output containing sum of first N terms of given series

Constraints:
1. $0 \leq N \leq 100$

Test Case - 1
1
0.22

Test Case - 2
10
-0.27

Problem tags:
THE COMPLETE C COURSE