☰   Hello, **2021115001**.

✅ Root of all problems

Problem description

Given a number N, output

$$\Sigma_{i=1}^{N} \sqrt{i}$$

Note

Your answer should be correct upto 6 decimal places. That means the output and the correct answer should match exactly atleast till the 6th digit after the decimal point.

Mathematically, if your output is A and the correct answer is B, then

$$|A - B| \leq 10^{-6}$$

Constraints

$$0 < N \leq 10^5$$

Input format

A single integer, N

Output format

The answer as described above, correct upto atleast 6 decimal places

Sample Input 1

4

Sample Output 1

6.14626437

Sample Input 2

Submit solution

My submissions
All submissions
Best submissions

✔ **Points:** 100 (partial)
🕐 **Time limit:** 1.0s
🗄 **Memory limit:** 64M

❯ **Problem type**

˅ **Allowed languages**
  C

proudly powered by **DMOJ** | English (en) ˅

Hello, **2021115001**.

Sample Output 2

40.46919660

❓ Clarifications

Request clarification

No clarifications have been made at this time.