



Утегенов Батырхан Елембетұлы [ADS-Lab-01]: Submit a solution

Info	Summary	Submissions	Standings	Submit clar	Clars	Settings
Logout [ads23_22B030458]						

10:44:09 / RUNNING

A	B	C	D	E	F	G	H	I	J
---	---	---	---	---	---	---	---	---	---

Submit a solution for G-149557. Vanya and Primes 2

Time limit: 2 s
Real time limit: 5 s
Memory limit: 256M

Problem G: 149557. Vanya and Primes 2

On the previous quiz, you needed to find n-th prime for Vanya. I think it was very easy, so let’s make it a little harder. You need to find a prime who index is n-th prime. As an example prime numbers is: 2, 3, 5, 7... have indexes 1,2,3,4... so 2 and 3 indexes are primes too, therefore we have sequen of "superprimes" like: 3, 5, 11, 17... Find n-th superprime.

Input format

Integer n. (1<=n<=100)

Output format

N-th superprime

Examples

Input

1

Output

3

Input

2

Output

5

Input

3

Output

11

Input

5

Output

31

Submit a solution

Language:

g++ - GNU C++ 11.4.0

File

Выберите файл

Файл не выбран

Send!

Send!

Previous submissions of this problem

Run ID	Time	Size	Problem	Language	Result	Failed test	View source	View report
2877	259:44:07	655	G	g++	OK	N/A	View	View

A B C D E F G H I J