

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

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# 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 sequenof "superprimes" like: 3, 5, 11, 17... Find n-th superprime.

#### Input format

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

### **Output format**

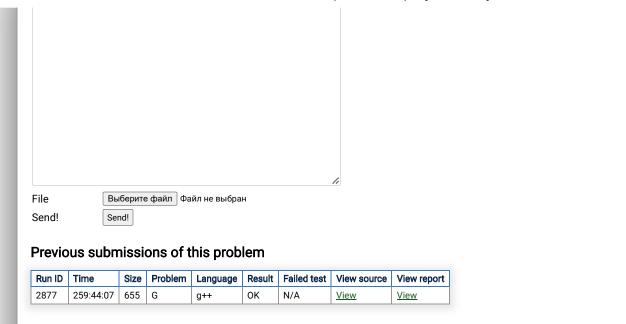
N-th superprime

## **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	•



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