

<https://panchalprogrammingacademy.github.io/course-problem-deck/#/problem/5fb3cc0bcf57340017a6fe46>

Prime Number

75 POINTS

Given an integer N check if it is a prime number.

Follow up: Can you solve the same problem in \sqrt{N} time complexity?

Input format:

A single line of input containing the value of N

Output format:

TRUE if N is a prime number FALSE otherwise

Constraints:

(i) $2 \leq N \leq 10^9$

Test Case - 1

11

TRUE

Test Case - 2

17

TRUE

Test Case - 3

4

FALSE

Problem tags:

THE COMPLETE C COURSE EASY LOOPS