

Problem Statement

Java

Given a number N. Write a Java program to check if the number N is prime or not.

Constraints :

$$2 \leq N \leq 10^6$$

(Since 1 is neither prime nor composite)

Input Format :

First line of the input contains N.

Output Format :

True if prime, otherwise false.

Sample Input :

43

Sample Output :

true

Sample Input :

24

Sample Output :

false