**Prime Number**

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For a given number check if it is prime or not. A prime number is a number which is only divisible by 1 and itself.

**Input:**  
First line contains an integer, the number of test cases 'T'. Each test case should contain a positive integer N.

**Output:**  
Print "Yes" if it is a prime number else print "No".

**Constraints:**  
1<= T <=30  
1<= N <=100

**Example:**

Input:  
1  
5

Output:  
Yes

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problems/prime-number/0>

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package javaapplication244;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Collections;

import java.util.HashMap;

import java.util.List;

/\*\*

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\*/

public class JavaApplication244 {

/\*\*

\* @param args the command line arguments

\*/

static boolean esPrimo(int n) {

if(n < 2 ) return false;

if(n == 2) return true;

if(n %2==0) return false;

int sqr = (int)Math.sqrt(n);

for(int i =3; i<=sqr; i+=2) {

if(n%i==0) {

return false;

}

}

return true;

}

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

int num = Integer.parseInt( br.readLine().trim());

System.out.println(esPrimo(num) ?"Yes":"No");

}

}

}