This is a [reverse challenge](keyword://reverse-challenge), enjoy!

* **[time limit] 3000ms (cs)**
* **[input] array.integer numbers**

*Constraints:*  
1 ≤ numbers.length ≤ 200,  
1 ≤ numbers[i] ≤ 107.

* **[output] integer**

<https://codefights.com/challenge/REsoj6NnHZYpA8zfa?utm_source=featuredChallenge&utm_medium=email&utm_campaign=email_notification>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static bool 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;

}

static bool esPrimoDeSofia(int n)

{

return esPrimo(n) && esPrimo(2 \* n + 1);

}

static int SophieGermainPrimes(int[] numbers)

{

int cont = 0;

for (int i = 0; i < numbers.Length; i++)

{

if (esPrimoDeSofia(numbers[i]))

{

cont++;

}

}

return cont;

}

static void Main(string[] args)

{

//int[] numbers = { 3, 4, 5, 6, 7, 8, 9, 10 };

//Console.WriteLine(SophieGermainPrimes(numbers));

int[] numbers = { 397, 304, 431, 342, 188, 266, 463, 204, 334, 418, 192, 416, 418, 419, 571, 491, 593, 359, 467, 569, 430, 509, 547, 443, 266, 436, 557, 428 };

Console.WriteLine(SophieGermainPrimes(numbers));

Console.ReadLine();

}

}

}