A integer is called a square free integer if in the prime factorization of that integer there are no repeated prime number.

* **[time limit] 3000ms (cs)**
* **[input] integer num**

a positive integer.

* **[output] boolean**

given integer is a Square-free integer or not.

<https://codefights.com/challenge/cDCAGEyzbFwdfMT6N/main>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

bool squareFreeInteger(int num)

{

List<int> factors = new List<int>();

int divisor = 2;

while (num >= 2)

{

if (num % divisor == 0)

{

if (factors.Contains(divisor))

{

return false;

}

factors.Add(divisor);

num /= divisor;

}

else

{

divisor++;

}

}

return true;

}

static void Main(string[] args)

{

Console.ReadLine();

}

}

}