Given an integer N (N <= 1000). Find out how many positive integers exists that are smaller than N and can be represented using only 0, 4, 7. For example: N = 100, Answer = 8 (Those numbers are: 4, 7, 40, 44, 47, 70, 74, 77) N = 44, Answer = 3

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

An integer from 1 to 1000 inclusive.

* **[output] integer**

Return the number of integers satisfying the condition described above.

<https://codefights.com/challenge/YKsT8AQDYrBvfHJFx/main>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static int HowManyIntegers(int N)

{

int[] nums = { 4, 7, 40, 44, 47, 70, 74, 77, 400, 404, 407, 440, 444, 447, 470, 474, 477, 700, 704, 707, 740, 744, 747, 770, 774, 777 };

int i =0;

while (i < nums.Length && nums[i] < N)

{

i++;

}

return i;

}

static void Main(string[] args)

{

Console.WriteLine(HowManyIntegers(44));

Console.ReadLine();

}

}

}