int amount, number\_10, number\_7, number\_5, number\_3, convertible\_number, counter, same\_endings = 0, numbers\_with\_seven = 0, sum;

bool divided\_by\_7 = true;

Console.WriteLine("Введите количество чисел: ");

amount = Convert.ToInt32(Console.ReadLine());

for (int i = 0; i < amount; i++)

{

number\_10 = Convert.ToInt32(Console.ReadLine());

number\_7 = 0;

number\_5 = 0;

number\_3 = 0;

sum = 0;

convertible\_number = number\_10;

counter = 0;

while (convertible\_number > 0)

{

number\_7 += Convert.ToInt32((convertible\_number % 7) \* Math.Pow(10, counter));

convertible\_number = convertible\_number / 7;

counter++;

}

convertible\_number = number\_10;

counter = 0;

while (convertible\_number > 0)

{

number\_5 += Convert.ToInt32((convertible\_number % 5) \* Math.Pow(10, counter));

convertible\_number = convertible\_number / 5;

counter++;

}

convertible\_number = number\_10;

counter = 0;

while (convertible\_number > 0)

{

number\_3 += Convert.ToInt32((convertible\_number % 3) \* Math.Pow(10, counter));

convertible\_number = convertible\_number / 3;

counter++;

}

if (((number\_7 % 10) == (number\_5 % 10)) & ((number\_5 % 10) == (number\_3 % 10)) & ((number\_7 % 10) == (number\_3 % 10)))

{

same\_endings++;

}

convertible\_number = number\_10;

while (convertible\_number > 0)

{

if ((convertible\_number % 10) == 7)

{

numbers\_with\_seven++;

break;

}

convertible\_number = convertible\_number / 10;

}

convertible\_number = number\_10;

while (convertible\_number > 0)

{

sum += convertible\_number % 10;

convertible\_number = convertible\_number / 10;

}

if (sum % 7 != 0)

{

divided\_by\_7 = false;

}

}

Console.WriteLine(same\_endings + " элементов оканчиваются на одинаковую цифру в 3, 5, 7 системах счисления");

Console.WriteLine(numbers\_with\_seven + " элементов, содержащих хотя бы одну семерку");

Console.WriteLine(divided\_by\_7);