A. Lucky Division

time limit per test

2 seconds

memory limit per test

256 megabytes

input

standard input

output

standard output

*Petya loves lucky numbers. Everybody knows that lucky numbers are positive integers whose decimal representation contains only the lucky digits****4****and****7****. For example, numbers****47****,****744****,****4****are lucky and****5****,****17****,****467****are not.*

Petya calls a number *almost lucky* if it could be evenly divided by some lucky number. Help him find out if the given number *n* is almost lucky.

**Input**

The single line contains an integer *n* (1 ≤ *n* ≤ 1000) — the number that needs to be checked.

**Output**

In the only line print "YES" (without the quotes), if number *n* is almost lucky. Otherwise, print "NO" (without the quotes).

**Sample test(s)**

**input**

47

**output**

YES

**input**

16

**output**

YES

**input**

78

**output**

NO

**Note**

Note that all lucky numbers are almost lucky as any number is evenly divisible by itself.

In the first sample 47 is a lucky number. In the second sample 16 is divisible by 4.

<http://codeforces.com/problemset/problem/122/A>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

int n = int.Parse(Console.ReadLine());

int[] lucky = { 4, 7, 44, 47, 74, 77, 444, 447, 474, 477, 744, 747, 774, 777 };

string almost = "NO";

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

{

if (n % lucky[i] == 0)

{

almost = "YES";

break;

}

}

Console.WriteLine(almost);

Console.ReadLine();

}

}

}