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

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] string inputString**

A valid (in terms of this challenge) mathematical expression in the format <a><op><b>, where <a> and <b> are integers not greater than 1000, and <op> is one of the following operations: +, -, /, \*, %, ^.

* **[output] integer**

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

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static int ReversesreveR(string inputString)

{

string[] partes = inputString.Split(new char[] {'+', '-', '/', '\*', '%', '^'});

char[] a\_rev = partes[0].ToCharArray();

char[] b\_rev = partes[1].ToCharArray();

Array.Reverse(a\_rev);

Array.Reverse(b\_rev);

int a = int.Parse(new string(a\_rev));

int b = int.Parse(new string(b\_rev));

int res = 0;

if (inputString.Contains('+'))

{

res = a + b;

}

else if (inputString.Contains('-'))

{

res = a - b;

}

else if (inputString.Contains('/'))

{

res = a / b;

}

else if (inputString.Contains('\*'))

{

res = a \* b;

}

else if (inputString.Contains('%'))

{

res = a % b;

}

else if (inputString.Contains('^'))

{

res = (int) Math.Pow(a, b);

}

return res;

}

static void Main(string[] args)

{

string inputString = "80^40";

Console.WriteLine(ReversesreveR(inputString));

Console.ReadLine();

}

}

}