<https://www.hackerrank.com/contests/womens-codesprint-5/challenges/easy-change/problem>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp83

{

class Program

{

static int howMuchToAsk(int c, int p)

{

int[] bill = { 20, 50, 100, 200, 500, 1000 };

//p + x – c = bill[i] //x es lo que le tengo que sumar para llegar a un billete del array de billete o facturas. Despejar x

int resto = 0;

int min = int.MaxValue;

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

{

resto = -p + c + bill[i];

if(resto >=0)

min = Math.Min(min, resto);

}

if (min > 9) return -1;

return min;

}

static void Main(string[] args)

{

//int c = 104, p = 200;

//int c = 370, p = 420;

// int c = 20, p = 50;

// int c = 1597, p = 2000;

int c = 1, p = 202;

// int c = 1, p = 2;

//int c = 96, p = 200;

// int c = 60, p = 100;

// int c = 192, p = 200;

//int c = 188, p = 200;

Console.WriteLine( howMuchToAsk(c, p));

Console.ReadLine();

}

}

}