using System;

using System.IO;

using System.Text;

using System.Diagnostics;

namespace Slide01

{

class Program

{

public static void Main()

{

Console.WriteLine("Введите кол-во элементов");

var length = int.Parse(Console.ReadLine());

Random rd = new Random();

var arr = new int[length];

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

arr[i] = rd.Next(1000);

var k = 2;

var m = 1;

var watch = new Stopwatch();

watch.Start();

while (m < length)

{

if (arr[m - 1] <= arr[m])

{

m = k;

k++;

}

else

{

int t = arr[m];

arr[m] = arr[m - 1]; arr[m - 1] = t;

m--;

if (m == 0)

{

m = k;

k++;

}

watch.Stop();

}

}

Console.WriteLine("Потраченное время " + watch.ElapsedMilliseconds);

Console.WriteLine("Отсортированный массив");

for (var i = 0; i < length; i++)

Console.Write(arr[i] + " ");

}

}

}