V\_CIIC\_A - Roses

*no tags*

Adriana discovered that she had a secret admirer one night, when coming home from work. She found a note that said:

*“See, roses. Roses for you.*

*The greatest number of each column you shall seek,*

*the number of the row you shall write down,*

*and with ASCII my name you’ll discover.”*

After reading the note she saw a rectangle of 26 rows and several columns, each cell had several roses. As a proud computer scientist she is, she understood that she needed to find the row of each column that has the greatest number of roses. This way the number of the row would tell her the letter (one of the 26 letters of the alphabet, A-Z), thus uncovering the name of her admirer.

Note: If for some reason two cells within the same column have the same amount of roses, the cell with the lowest i (0 <= i <= 26) will be selected.

**Input details:**

The first line will contain an integer M which will represent the number of columns of the rectangle (obviously the length of her secret admirer’s name). The next 26 lines correspond to Xij values that correspond to the amount of roses in each cell.

**Output details:**

The output will contain one line which will be the name of Adriana’s secret admirer.

<http://www.spoj.com/problems/V_CIIC_A/>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

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

int[,] m = new int[26, M];

for (int i = 0; i < 26; i++)

{

string[] linea = Console.ReadLine().Split(' ');

for (int j = 0; j < linea.Length; j++)

{

m[i, j] = int.Parse(linea[j]);

}

}

for (int col = 0; col < m.GetLength(1); col++)

{

int maxASCII = 0, maxFila = 0;

for (int fila = 0; fila < m.GetLength(0); fila++)

{

//max = Math.Max(max, m[fila, col]);

if (m[fila, col] > maxASCII)

{

maxASCII = m[fila, col];

maxFila = fila;

}

}

Console.Write((char)(maxFila + 'A'));

//Console.Write("");

}

// Console.WriteLine();

//Console.ReadLine();

}

}

}