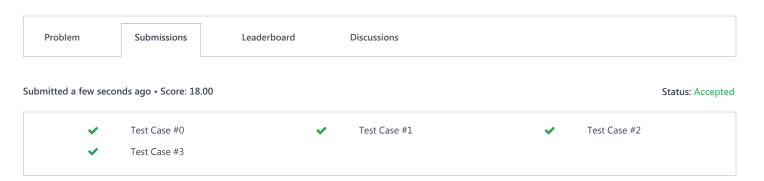


All Competitions > Week of Code 35 > Triple Recursion

Triple Recursion





Submitted Code

```
Language: C#
                                                                                              & Fork into a snippet & Open in editor
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 using System.Linq;
5 class Solution {
6
7
       static void tripleRecursion(int n, int m, int k) {
8
           // Complete this function
9
10
            int[,] a = new int[n, n];
11
12
               for (int i = 0; i < n; i++)
13
                    for (int j = 0; j < n; j++)
14
15
                        if (i == 0 && j == 0)
16
17
18
                            a[i, j] = m;
19
20
                        else if (i-1 >= 0 \&\& j-1 >= 0 \&\& i == j)
21
                            a[i, j] = a[i - 1, j - 1] + k;
22
23
                        else if (i-1>=0 && i > j)
24
25
26
                            a[i, j] = a[i - 1, j] - 1;
27
                        else if (j-1>=0 \&\& i < j)
28
29
                            a[i, j] = a[i, j - 1] - 1;
30
31
32
33
               }
34
35
36
                for (int i = 0; i < n; i++)
37
38
                    for (int j = 0; j < n; j++)
```

```
39
                   {
                        Console.Write(a[i, j] + " ");
40
41
42
                   Console.WriteLine();
43
               }
44
45
46
       }
47
       static void Main(String[] args) {
48
           string[] tokens_n = Console.ReadLine().Split(' ');
49
50
           int n = Convert.ToInt32(tokens_n[0]);
51
           int m = Convert.ToInt32(tokens_n[1]);
52
           int k = Convert.ToInt32(tokens_n[2]);
53
           tripleRecursion(n, m, k);
54
       }
55 }
56
```

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