ALCoding Challenge - Summer 2019

Jul 12, 2019, 11:30 AM EDT - Jul 12, 2019, 02:30 PM EDT

Best Crowd

Max. Marks: 100

This problem is no longer available for practice. Apology for any inconvenience!

ALguru is given a chance to select the best spectator order for the upcoming Cricket match. He should select the spectator's order of seating such that it is the most friendly crowd and the game can go on peacefully.

Given a 2D matrix of all the spectactors anger level with respect to one another, your task is to arrange the spectators in a linear seating manner such that the total anger level is minimized.

Input:-

First line contains **N,** the number of spectators.

Next lines have N rows and N columns, where the i^{th} row and j^{th} column indicates anger level of spectator i with respect to the j^{th} spectator.

Output:-

Print the order of spectators (spectator indicies), such that anger level is minimized.

Constraints:-

- 1<= N <= 3000
- 0<= anger_level <= 200

Note:-

Its an approximation problem or an NP-complete problem, use your creativity to arrive at the most optimal solution. Minimize the total anger level.

SAMPLE INPUT

```
3
1 1 2
3 4 1
6 6 8
```

SAMPLE OUTPUT

```
1 2 3
```

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Explanation

One of the solution is 1,2,3.

The total anger level = anger[1][2]+anger[2][3] = 1+1 = 2.

Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	C, C++, C++14, Java, Python, Python 3

CODE EDITOR

Enter your code or Upload your code as file. Save C (gcc 5.4.0)

```
/*
// Sample code to perform I/O:
#include <stdio.h>

int main(){
    int num;
    scanf("%d", &num);                          // Reading input from STDIN
    printf("Input number is %d.\n", num);       // Writing output to STDOUT
}

// Warning: Printing unwanted or ill-formatted data to output will cause the test cases t
*/

// Write your code here

```

Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).

Provide custom input

COMPILE & TEST SUBMIT

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