

P2004 Territory Selection

题目描述

As a leader who commands countless troops in a virtual world, Xiao Z believes that timing, terrain, and unity among people are all indispensable. Therefore, carefully choosing the location of the capital is very important to Xiao Z.

The capital is considered to be a square occupying $C \times C$. Xiao Z wants you to find a suitable position such that the sum of land values covered by the capital is maximized.

输入格式

The first line contains three integers N, M, C , denoting the height and width of the map and the side length of the capital.

The next N lines each contain M integers, giving the value of each plot on the map. Values may be negative.

输出格式

One line with two integers X, Y , denoting the coordinates of the top-left corner of the capital. It is guaranteed that the optimal solution is unique.

输入输出样例 #1

输入 #1

```
3 4 2
1 2 3 1
-1 9 0 2
2 0 1 1
```

输出 #1

1 2

说明/提示

For 60% of the testdata, $N, M \leq 50$.

For 90% of the testdata, $N, M \leq 300$.

For 100% of the testdata, $1 \leq N, M \leq 10^3$, $1 \leq C \leq \min(N, M)$. The absolute value of each tile's value does not exceed 32767.

Translated by ChatGPT 5