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Blurry Memory

by matfah

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Dory is starting to remember things! To help her gauge her images of the past, she wants to calculate how fuzzy her picture is. She decides on the following strategy - a picture is fuzzy if many of the pixels in her image are close in color to all the pixels around it (the eight directions - up, down, left, right, up-right, up-left, down-left, and down-right).

Skeleton: https://drive.google.com/file/d/0BxxolsFkwnDqOUZJZHV0d094a3c/view?usp=sharing

Input Format

The first line will contain a number k, representing the distance a pixel's color can be from another pixel's color and still be considered close in color. The second line will contain a number n, representing the number of lines to follow. After the second line will be n lines, each containing n numbers separated by spaces. These n lines will represent the n x n pixels in the image.

Constraints

0 <= k <= 255 1 <= n <= 1000 Each pixel value is between 0 and 255 (inclusive)

Output Format

The number of pixels that are within k in color of all the pixels around it.

Sample Input 0

```
3
4
5 8 7 2
8 5 6 2
6 7 8 6
5 4 3 8
```

Sample Output 0

```
6
```

Sample Input 1

```
0
5
1 1 2 3 5
1 1 1 1 1
2 2 2 2 2
2 2 3 4 5
2 2 5 4 3
```

Sample Output 1

3

f   𝕏   in

Submissions: 41
Max Score: 1

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