BACK

Star Rotation



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DESCRIPTION

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CODEWRITING SCORE: 300/300

Consider a $(2k+1) \times (2k+1)$ square subarray of an integer integers matrix. Let's call the union of the square's two longest diagonals, middle column and middle row a *star*. Given the coordinates of the star's center in the matrix and its width, rotate it 45 · t degrees clockwise preserving position of all matrix elements that do not belong to the *star*.

Example

• For

• For

Input/Output

- [execution time limit] 4 seconds (js)
- [input] array.array.integer matrix

A two-dimensional array of integers.

Guaranteed constraints:

```
3 \le matrix.length \le 15,
3 \le matrix[i].length \le 15,
matrix[i].length == matrix[j].length,
0 \le matrix[i][j] \le 99.
```

• [input] integer width

An odd integer representing the star's width. It equals the length of the sides of the bounding square for the star.

Guaranteed constraints:

