1314. Matrix Block Sum

Description

Given a `m x n` matrix `mat` and an integer `k`, return *a matrix* `answer` *where each* `answer[i][j]` *is the sum of all elements* `mat[r][c]` *for*:

- `i - k <= r <= i + k,`
- `j - k <= c <= j + k`, and
- `(r, c)` is a valid position in the matrix.

Example 1:

```
Input: mat = [[1,2,3],[4,5,6],[7,8,9]], k = 1
Output: [[12,21,16],[27,45,33],[24,39,28]]
```

Example 2:

```
Input: mat = [[1,2,3],[4,5,6],[7,8,9]], k = 2
Output: [[45,45,45],[45,45,45],[45,45,45]]
```

Constraints:

- `m == mat.length`
- `n == mat[i].length`
- `1 <= m, n, k <= 100`
- `1 <= mat[i][j] <= 100`