

1277. Count Square Submatrices with All Ones

Description

Given a `m * n` matrix of ones and zeros, return how many **square** submatrices have all ones.

Example 1:

Input: matrix =

```
[
  [0,1,1,1],
  [1,1,1,1],
  [0,1,1,1]
]
```

Output: 15

Explanation:

There are 10 squares of side 1.

There are 4 squares of side 2.

There is 1 square of side 3.

Total number of squares = 10 + 4 + 1 = 15.

Example 2:

Input: matrix =

```
[
  [1,0,1],
  [1,1,0],
  [1,1,0]
]
```

Output: 7

Explanation:

There are 6 squares of side 1.

There is 1 square of side 2.

Total number of squares = 6 + 1 = 7.

Constraints:

- `1 <= arr.length <= 300`
- `1 <= arr[0].length <= 300`
- `0 <= arr[i][j] <= 1`

