

Give a  $N \times N$  square matrix, return an array of its anti-diagonals. Look at the example for more details.

**Example:**

Input:

```
1 2 3
4 5 6
7 8 9
```

Return the following :

```
[
  [1],
  [2, 4],
  [3, 5, 7],
  [6, 8],
  [9]
]
```

Input :

```
1 2
3 4
```

Return the following :

```
[
  [1],
  [2, 3],
  [4]
]
```