5536. Maximal Network Rank

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There is an infrastructure of n cities with some number of `roads` connecting these cities. Each `roads[i] = [a_i, b_i]` indicates that there is a bidirectional road between cities a_i and b_i .

The **network rank** of **two different cities** is defined as the total number of **directly** connected roads to **either** city. If a road is directly connected to both cities, it is only counted **once**.

The **maximal network rank** of the infrastructure is the **maximum network rank** of all pairs of different cities.

Given the integer n and the array `roads` , return *the **maximal network rank** of the entire infrastructure*.

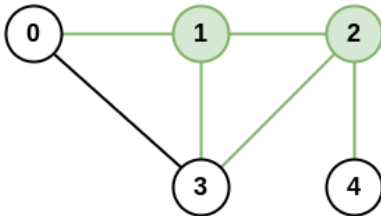|	
User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:
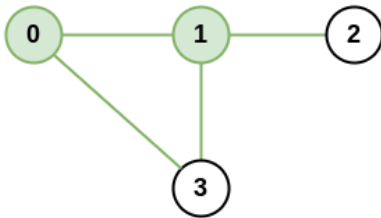

```
Input: n = 4, roads = [[0,1],[0,3],[1,2],[1,3]]
Output: 4
Explanation: The network rank of cities 0 and 1 is 4 as there are 4 roads that are connected to either 0 or 1. The road be
```

Example 2:


```
Input: n = 5, roads = [[0,1],[0,3],[1,2],[1,3],[2,3],[2,4]]
Output: 5
Explanation: There are 5 roads that are connected to cities 1 or 2.
```

Example 3:

```
Input: n = 8, roads = [[0,1],[1,2],[2,3],[2,4],[5,6],[5,7]]
Output: 5
Explanation: The network rank of 2 and 5 is 5. Notice that all the cities do not have to be connected.
```

Constraints:

- `2 <= n <= 100`
- `0 <= roads.length <= n * (n - 1) / 2`
- `roads[i].length == 2`
- `0 <= a_i, b_i <= n-1`
- `a_i != b_i`
- Each pair of cities has **at most one** road connecting them.

JavaScript ▼

```
1 ▾ /**
2    * @param {number} n
3    * @param {number[][]} roads
4    * @return {number}
5    */
6 ▾ var maximalNetworkRank = function(n, roads) {
7
8   };
```

☐ **Custom Testcase**   (Use Example Testcases)

● Run   ☁ Submit