1820. Maximum Number of Accepted Invitations Premium

Medium Topics Companies Hint

There are `m` boys and `n` girls in a class attending an upcoming party.

You are given an `m x n` integer matrix `grid`, where `grid[i][j]` equals `0` or `1`. If `grid[i][j] == 1`, then that means the i^{th} boy can invite the j^{th} girl to the party. A boy can invite at most **one girl**, and a girl can accept at most **one invitation** from a boy.

Return *the **maximum** possible number of accepted invitations.*

Example 1:

```
Input: grid = [[1,1,1],
               [1,0,1],
               [0,0,1]]
Output: 3
Explanation: The invitations are sent as follows:
- The 1st boy invites the 2nd girl.
- The 2nd boy invites the 1st girl.
- The 3rd boy invites the 3rd girl.
```

Example 2:

```
Input: grid = [[1,0,1,0],
               [1,0,0,0],
               [0,0,1,0],
               [1,1,1,0]]
Output: 3
Explanation: The invitations are sent as follows:
-The 1st boy invites the 3rd girl.
-The 2nd boy invites the 1st girl.
-The 3rd boy invites no one.
-The 4th boy invites the 2nd girl.
```