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Description

Solution

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533. Lonely Pixel II

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Given an  $m \times n$  picture consisting of black 'B' and white 'W' pixels and an integer target, return the number of **black lonely pixels**.

A black lonely pixel is a character 'B' that located at a specific position  $(r, c)$  where:

- Row  $r$  and column  $c$  both contain exactly target black pixels.
- For all rows that have a black pixel at column  $c$ , they should be exactly the same as row  $r$ .

Example 1:

W	B	W	B	B	W
W	B	W	B	B	W
W	B	W	B	B	W
W	W	B	W	B	W

Input: picture = `[["W","B","W","B","B","W"],["W","B","W","B","B","W"],["W","B","W","B","B","W"],["W","W","B","W","B","W"]]`, target = 3

Output: 6

Explanation: All the green 'B' are the black pixels we need (all 'B's at column 1 and 3).

Take 'B' at row  $r = 0$  and column  $c = 1$  as an example:

- Rule 1, row  $r = 0$  and column  $c = 1$  both have exactly target = 3 black pixels.
- Rule 2, the rows have black pixel at column  $c = 1$  are row 0, row 1 and row 2. They are exactly the same as row  $r = 0$ .

Example 2:

W	W	B
W	W	B
W	W	B

Input: picture = `[["W","W","B"],["W","W","B"],["W","W","B"]]`, target = 1

Output: 0

Constraints:

- $m == \text{picture.length}$
- $n == \text{picture}[i].\text{length}$
- $1 \leq m, n \leq 200$
- $\text{picture}[i][j]$  is 'W' or 'B'.
- $1 \leq \text{target} \leq \min(m, n)$

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```
class Solution {
    public int findBlackPixel(char[][] picture, int target) {
    }
}
```

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