

 <h1>杭州电子科技大学</h1> 				
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## Largest Submatrix

Time Limit: 2000/1000 MS (Java/Others)    Memory Limit: 32768/32768 K (Java/Others)  
Total Submission(s): 2620    Accepted Submission(s): 1283

### Problem Description

Now here is a matrix with letter 'a','b','c','w','x','y','z' and you can change 'w' to 'a' or 'b', change 'x' to 'b' or 'c', change 'y' to 'a' or 'c', and change 'z' to 'a', 'b' or 'c'. After you changed it, what's the largest submatrix with the same letters you can make?

### Input

The input contains multiple test cases. Each test case begins with m and n ( $1 \leq m, n \leq 1000$ ) on line. Then come the elements of a matrix in row-major order on m lines each with n letters. The input ends once EOF is met.

### Output

For each test case, output one line containing the number of elements of the largest submatrix of all same letters.

## Sample Input

```
2 4
abcw
wxyz
```

## Sample Output

```
3
```

## Source

2009 Multi-University Training Contest 7 - Host by FZU

## Recommend

gaojie

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Hangzhou Dianzi University Online Judge 3.0  
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