1. Strokes to paint

Alex wants to paint a picture. In one stroke, Alex can only paint adjacent cells with the same letter which are connected horizontally or vertically but not diagonally.
Given the painting as a 2-dimensional array of letters, find the minimum number of strokes to completely paint the picture.

Example: The canvas with height = *3* and width = *5* is to be painted with *picture=["aabba", "aabba", "aaacb"]*. The diagram below shows the *5* strokes needed to paint the canvas. It takes two strokes each for *a* and *b*, and one for *c*.

Initial Canvas:

a	a	b	b	a
a	a	b	b	a
a	a	a	c	b

Output (No. of Strokes): 5

a	a	b	b	a
a	a	b	b	a
a	a	a	c	b

Stroke 1
Stroke 2
Stroke 3
Stroke 4
Stroke 5

First Question

Function Description
Complete the function *strokesRequired* in the editor below. The function must return an integer, the minimum number of strokes required to paint the canvas.

strokesRequired has the following parameter(s):
picture[picture[0],...picture[h-1]]: an array of strings where each string represents one row of the picture to be painted

Constraints

- $1 \le h \le 10^5$
- $1 \le w \le 10^5$
- $1 \le h*w \le 10^5$
- *len(picture[i]) = w (where 0 ≤ i < h)*
- *picture[i][j] ∈{'a', 'b', 'c'} (where 0 ≤ i < h and 0 ≤ j < w)*

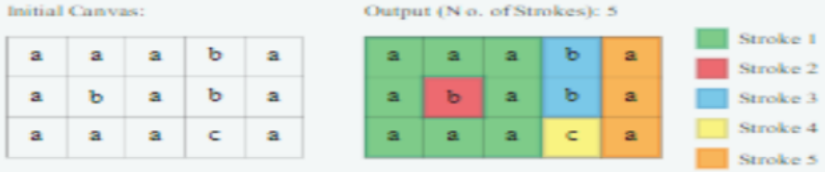
Sample Input For Custom Testing

```
3
aaaba
ababa
aaaca
```

Sample Output

```
5
```

Explanation



Letter *a* takes 2 strokes, *b* takes 2 strokes and *c* takes 1 stroke for a total of 5.