#include <iostream>

using namespace std;

int main()

{

int w , h ;

cin >> w >> h ;

char area[h][w];

for(int i = 0; i < h; i++)

{

for(int j = 0; j < w; j++)

{

cin >> area[i][j];

}

}

int tong\_ngang = 0 , tong\_doc = 0;

for(int i = 0 ; i < h ; i++) // duyet hang

{

for(int j = 0 ; j < w-1 ; j++)

{

if(area[i][j] == area[i][j+1]) tong\_ngang+=0;

else tong\_ngang+=1;

}

}

for(int i= 0 ; i < w ; i++)

{

for(int j = 0 ; j < h-1 ; j++)

{

if(area[j][i] != area[j+1][i]) tong\_doc++;

}

}

cout << tong\_ngang + tong\_doc;

return 0;

}