Card game X36833_en

We have registered different games of a reduced version of the popular UNO card game. In this version, each player draws a card in a clockwise manner and there is a one point penalization each time a player draws a card with a different color from the one on the table. There is a special card, called multicolor, that can be cast at any time without any penalization.
Each game is represented by the colors of the cards that have been cast at each moment, along with the word multicolor for the special card. Given a game, we want to know the total penalization for their players.
For example, the game:

```
red red blue green
```

has a total penalization of 2 points: one point when blue is cast (because there was red on the table), and one more point when green is cast (because there was blue on the table).
As said before, the multicolored card can be cast at any time. We consider that the color of that card is the one from the last non-multicolored card previously cast. For example, the game:

```
red red blue multicolor green
```

has a total penalization of 2 points: one when blue was cast (because there was red on the table), and one when green was cast (because on the table there was a multicolored that had turned into blue). The following game has the same total penalization:

```
red red multicolor multicolor blue multicolor multicolor green
```

because the color of the first two multicolored cards is red (and therefore, there is a one penalization point when blue is cast), and the color of the last two multicolored cards is blue (and therefore, another penalization point is added when green is cast) .
Exam score: 3 **Automatic part:** 40%

Input

The input starts when a non-negative integer n followed by n non-empty card games, where each game ends by the mark "end". The first card in each game is never muticolor.

Output

For each game, the program writes its total penalization.

Sample input 1

```
8
red red red blue green end
red red red blue multicolor green end
red red blue multicolor blue green end
red red red multicolor blue green multicolor multicolor end
red multicolor red blue blue multicolor green end
blue end
green multicolor end
yellow red blue green blue end
```

Sample output 1

```
2
2
2
```

Sample input 2

```
0
```

Sample output 2

```
2
2
0
0
4
```

Problem information

Author : Pro1
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