


Death Knight Hero

There once was a champion of WoW
Arthasdk the name he was bestowed
He *Death Gripped* you to his side
His *Chains of Ice* stopped your stride
And *Obliterates* made you say “OWW!”

But one day our hero got puzzled
His *Death Grip* totally fizzled
In his darkest despair
He could barely hear
“OMG NOOB u *Chains of Iced* than u *Death Gripped*”



Problem ID: deathknight
CPU Time limit: 1 second
Memory limit: 1024 MB
Difficulty: 1.5

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Input

You are given a recording of the abilities our hero used in his battles.

The first line of input will contain a single integer n ($1 \leq n \leq 100$), the number of battles our hero played.

Then follow n lines each with a sequence of k_i ($1 \leq k_i \leq 1000$) characters, each of which are either 'C', 'D' or 'O'. These denote the sequence of abilities used by our hero in the i -th battle. 'C' is *Chains of Ice*, 'D' is *Death Grip* and 'O' is *Obliterate*.

Output

Output the number of battles our hero won, assuming he won each battle where he did not use *Chains of Ice* immediately followed by *Death Grip*.

Sample Input 1

```
3
DCOOO
DODOCD
COD
```

Sample Output 1

```
2
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