

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*"



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
```



```

import sys #imported the sys library to exit the program when need be
n = int(input()) #took in the number of battles our hero played
if n > 100 or n < 1: #assigned constraints
    sys.exit()
count = 0
while n != 0: #used a while loop to loop through the battles
    k = str(input()) #took in the battle
    if 'C' not in k and 'D' not in k and 'O' not in k or len(k) > 1000 or len(k) < 1: #assigned constraints
        sys.exit()
    s = 'CD'
    for i in k: #used a for loop to go through the input
        if s not in k: # if CD not in k then we added 1 to the count
            count += 1
            break #if we added 1 we went to the next input
    n -= 1
print(count)
|

```