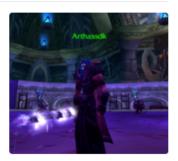
Death Knight Hero

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 ($1 \le n \le 100$), the number of battles our hero played.

Then follow n lines each with a sequence of k_i ($1 \le k_i \le 1000$) 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

Sample Output 1



```
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</pre>
   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)
```