

## 2761 - Archery

### Description

Ted is practicing archery to participate in the annual tournament. In the tournament several archers take turns to fire their arrows. Each archer fires  $N$  arrows at an  $8 \times 8$  chess board (yes, in this tournament there is no bullseye, this is no ordinary tournament). For each arrow it is recorded which square it hit, at the end of the archers' turn the difference between white squares hit and black squares hit becomes the score of the archer (so the objective is to hit as much squares of the same color).

For instance, if Ted fires 3 arrows and two hit black squares and the other one hits a white square then his final score is  $2 - 1 = 1$  points, but if all arrows hit white squares then he gets a perfect score of 3 ( $3 - 0 = 3$ ).

The squares hit are recorded for each archer in chess format, that is an English upper case letter from [A-H] for the columns and a digit from [1-8] for the rows. The problem is that judges are good archers but bad chess players and they don't know whether a square is black or white given its chess coordinates, so they ask you to write a program that given the  $N$  squares hit by a player outputs the score of that player. Your program will always be given  $N$  squares because if an archer misses the board he is immediately disqualified.

### Input specification

First line of input contains the number  $N$  ( $10 \leq N \leq 100$ ) of arrows.

Second line of input contains  $N$  square coordinates in chess format separated by spaces.

### Output specification

Output the score in a single line.

### Sample input

10

A1 B4 C8 D1 A7 H5 F3 F3 F3 D4

## Sample output

2

## Hint(s)

Source	Jorge Enrique Moreira Broche
Added by	<b>mario</b>
Addition date	2014-03-24
Time limit (ms)	12000
<b>Test limit (ms)</b>	1000
Memory limit (kb)	256000
Output limit (mb)	64
Size limit (bytes)	15000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text