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## Chess board (4)

X29759\_en

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Consider a square chess board with  $n$  rows and  $n$  columns, where every square contains between 0 and 9 coins. Write a program such that, given a chess board, computes the difference between the total number of coins on white squares and the total number of coins on black squares.

### Input

Input begins with the size  $n$  of the board. Follow  $n$  lines, each one with  $n$  characters between '0' and '9'.

### Output

Print the total number of coins on white squares, the total number of coins on black squares, and their difference. Follow the format provided in the examples.

#### Sample input 1

```
4
2389
3402
3956
2018
```

#### Sample output 1

```
32-33 = -1
```

#### Sample input 2

```
3
975
123
450
```

#### Sample output 2

```
20-16 = 4
```

### Problem information

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