CCCHK '15 J1 - Rock-paper-scissors

Alice and Bob are playing rock-paper-scissors game. The game rules are simple: rock crushes scissors; paper covers rock; and scissors cut paper. If both players throw the same shape, the game is tied. Your task is to determine the number of games won by Alice and Bob, respectively.

Input Specification

- The first line contains one integer N $(1 \leq N \leq 100)$ that represents the number of games.
- The second line is Alice's shape sequence. The shape sequence contains N shapes and they are separated by a space. The ith shape in the sequence represents the shape thrown by Alice in the ith game. There are only three shape values: `rock`, `paper`, and `scissors`.
- The third line is Bob's shape sequence.

Output Specification

Two integers separated by a space, representing the number of games won by Alice and the number of games won by Bob.

Sample Input 1

```
3
rock rock scissors
paper rock rock
```

Output for Sample Input 1

```
0 2
```

Sample Input 2

```
4
paper rock rock scissors
rock scissors rock rock
```

Output for Sample Input 2

```
2 1
```