Maximum Streaks

A coin was tossed numerous times. You need to find the longest streak of tosses resulting **Heads** and the longest streak of tosses resulting in **Tails**.

Formally, given the results of n tosses of a coin, find the maximum number of consecutive **Heads** and the maximum number of consecutive **Tails**.

Consider the following example: a coin was tossed $n = 7$ times and the results were **Heads, Heads, Tails, Tails, Heads, Heads, Heads**. Therefore, the longest **Heads** streak was 3 and the longest **Tails** streak was 2.

Complete the function *getMaxStreaks* which takes an array of strings *toss* and returns an array of two integers denoting the maximum streaks of **Heads** and **Tails** respectively.

Input Format

In the first line, there is a single integer n denoting the number of tosses.

Then, n lines follow. The ith of them contains a string $toss_i$ denoting the result of the ith toss of the coin.
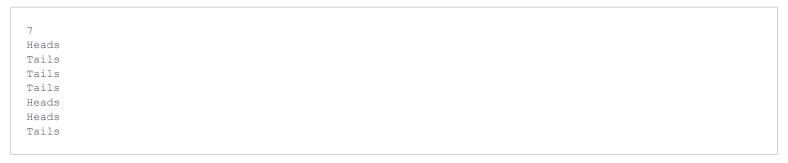
Constraints

- $1 \leq n \leq 50$
- $toss_i \in \{\text{Heads, Tails}\}$

Output Format

In a single line, print two space-separated integers denoting the maximum streak of **Heads** and the maximum streak of **Tails** respectively.

Sample Input 0

```
7
Heads
Tails
Tails
Tails
Heads
Heads
Tails
```

Sample Output 0

```
2 3
```

Explanation 0

The longest streak of **Heads** is 2 and the longest streak of **Tails** is 3.

Sample Input 1

```
3
Tails
Tails
Tails
```

Sample Output 1

```
0 3
```

Explanation 1

The longest streak of Heads is 0 since there were no such tosses, and the longest streak of Tails is 3.

Sample Input 2

```
4
Heads
Heads
Heads
Heads
```

Sample Output 2

```
4 0
```

Explanation 2

The longest streak of Heads is 4, and the longest streak of Tails is 0 since there were no such tosses.