## First repeated occurrence of either'a' or 'b' or 'c' or 'd'     X49874_en

Implement a program such that, given a sequence of characters from $\{a, b, c, d\}$, tells which one is the first character that is found repeated when we read them from the beginning, and on what position this first repetition takes place (positions are assumed to be indexed starting from 0).

It is guaranteed that there will be at least one repetition.

### Input

The input contains only one line with a sequence of consecutive characters from $\{a, b, c, d\}$. It is guaranteed that at least one character occurs twice or more in the input sequence.

### Output

The output contains the first character which occurs twice or more in the input, and the position of the first repetition (indexing positions from 0). These data must be printed on one line and separated by a white space.

**Sample input 1**

```
abcdaddcbaabaccdd
```

**Sample output 1**

```
a 4
```

**Sample input 2**

```
bbabaaaabb
```

**Sample output 2**

```
b 1
```

**Sample input 3**

```
bacdcdba
```

**Sample output 3**

```
c 4
```

**Sample input 4**

```
dd
```

**Sample output 4**

```
d 1
```

### Observation

Do not use `strings` nor any other massive data storage method. Read and treat the input character by character. Please, try to avoid carrying on reading the input when that is no longer necessary.

### Problem information

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